



FIG. 67

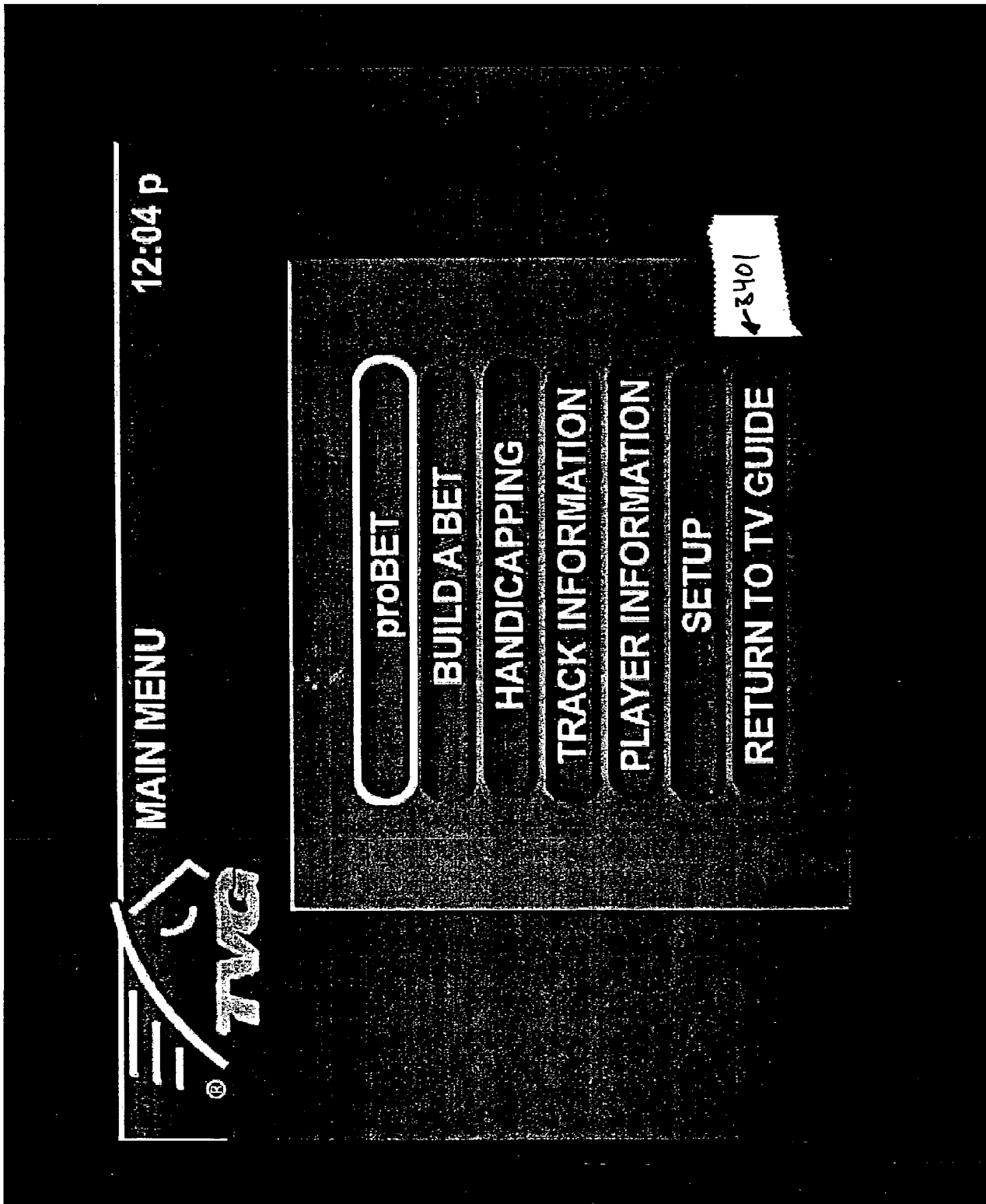


FIG. 68

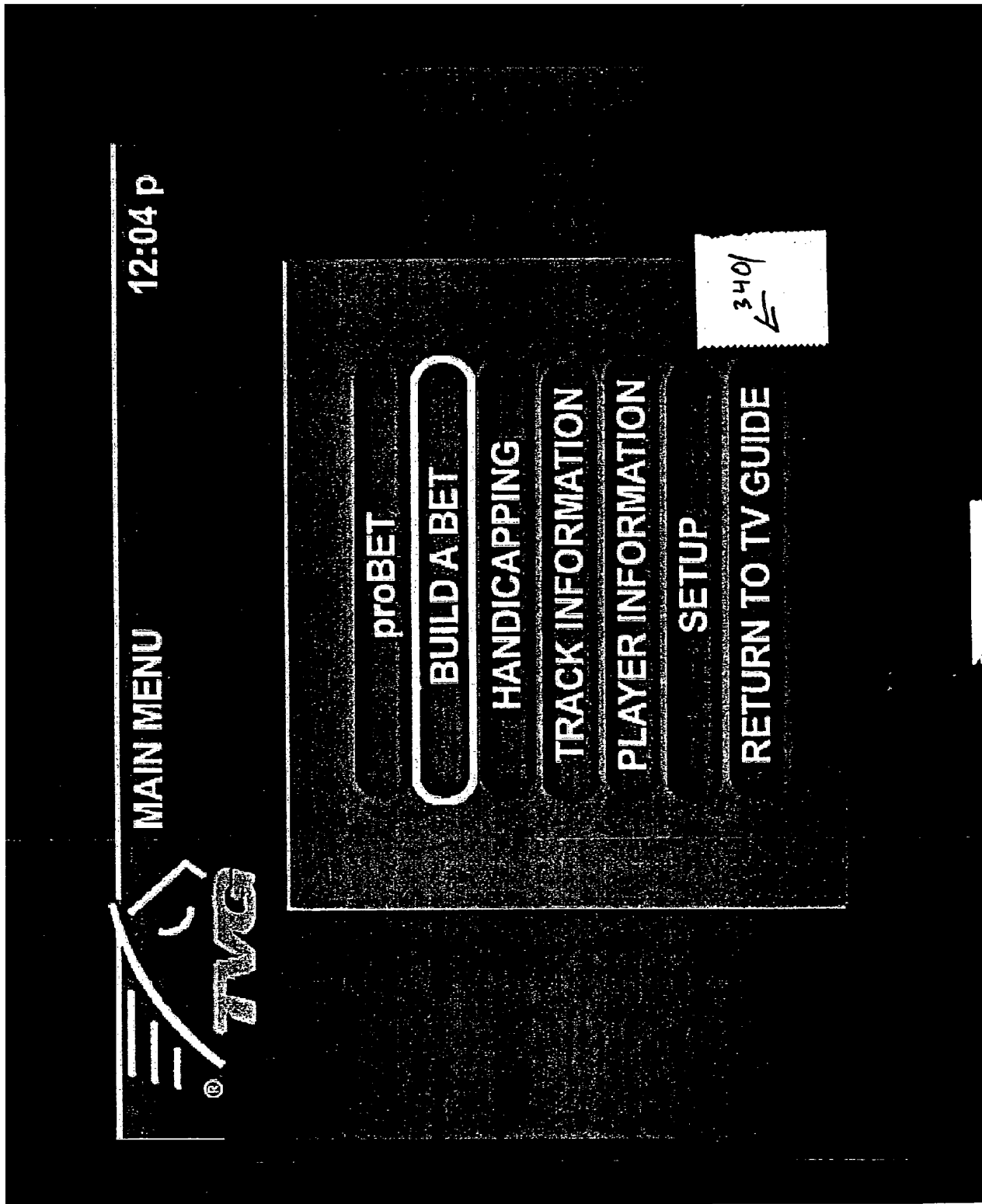


FIG. 69

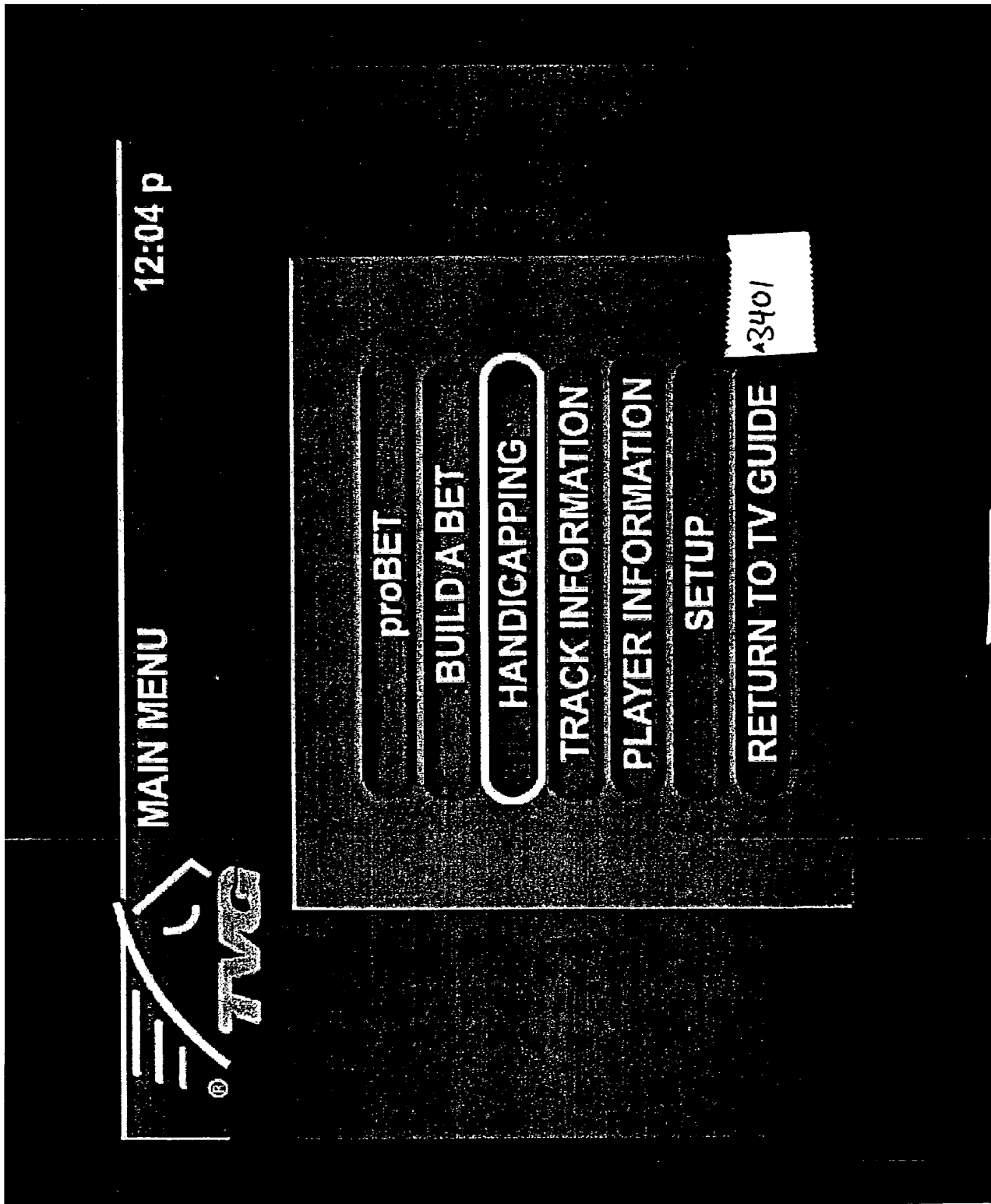


FIG. 70

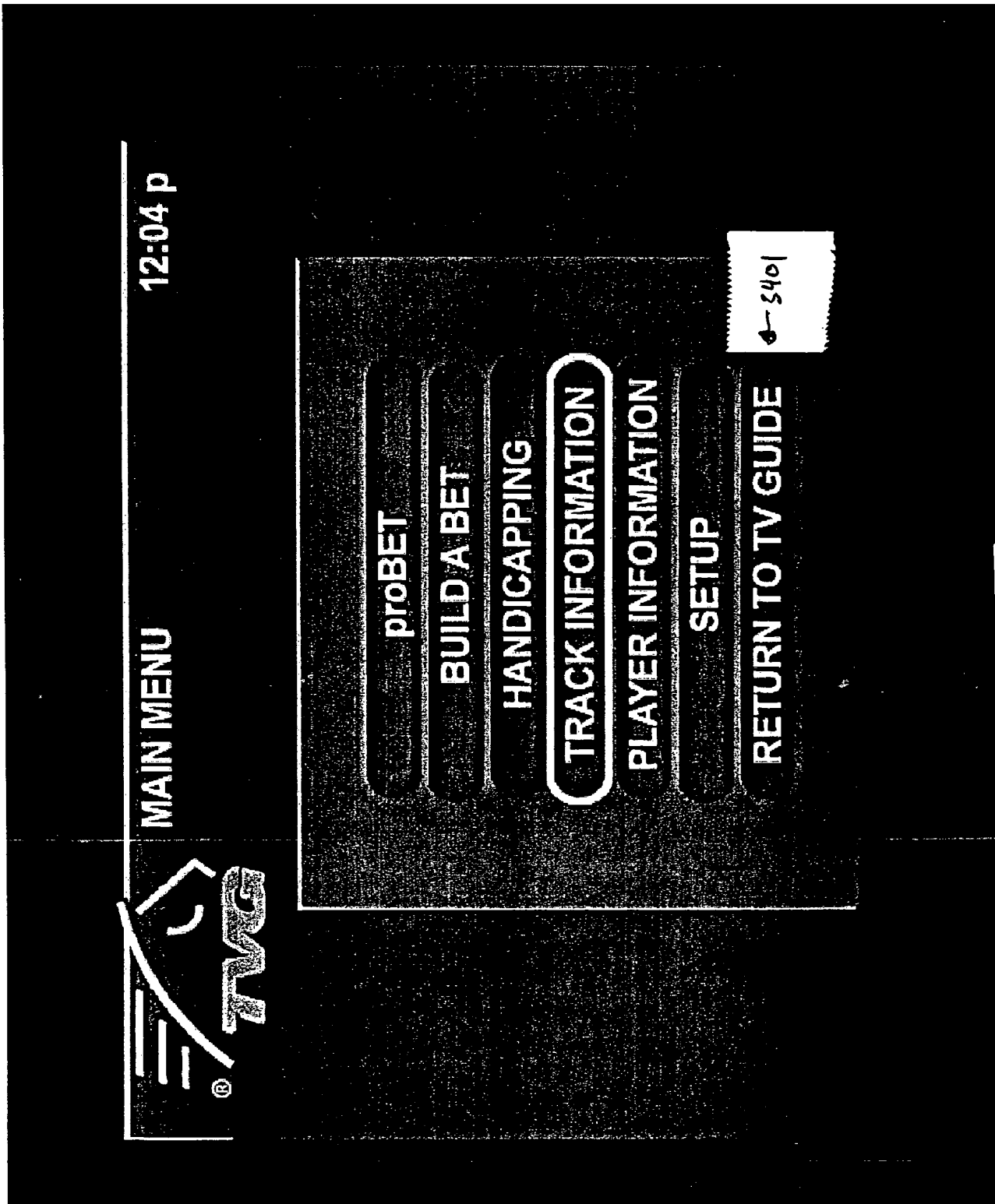


Fig. 71

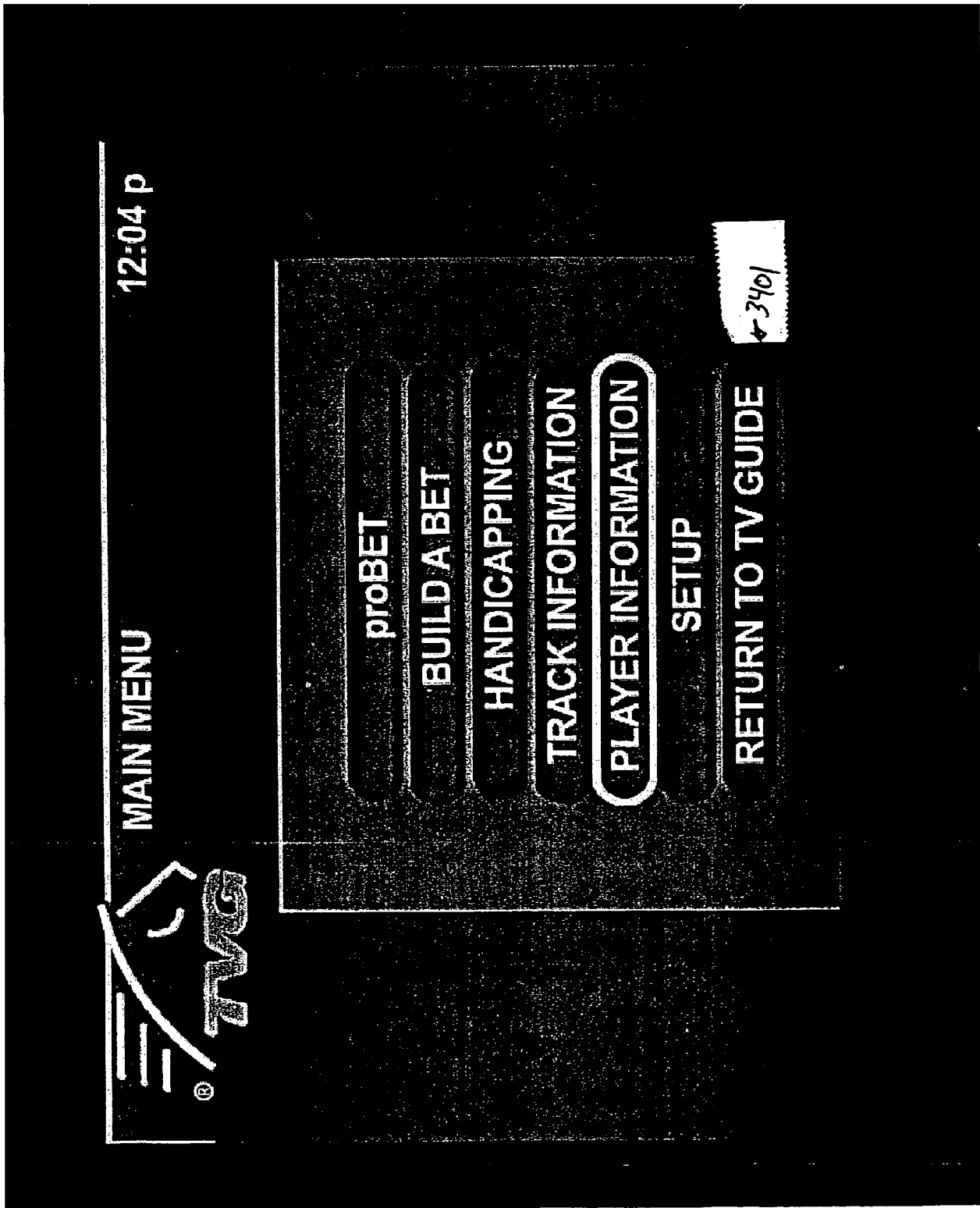


FIG. 72

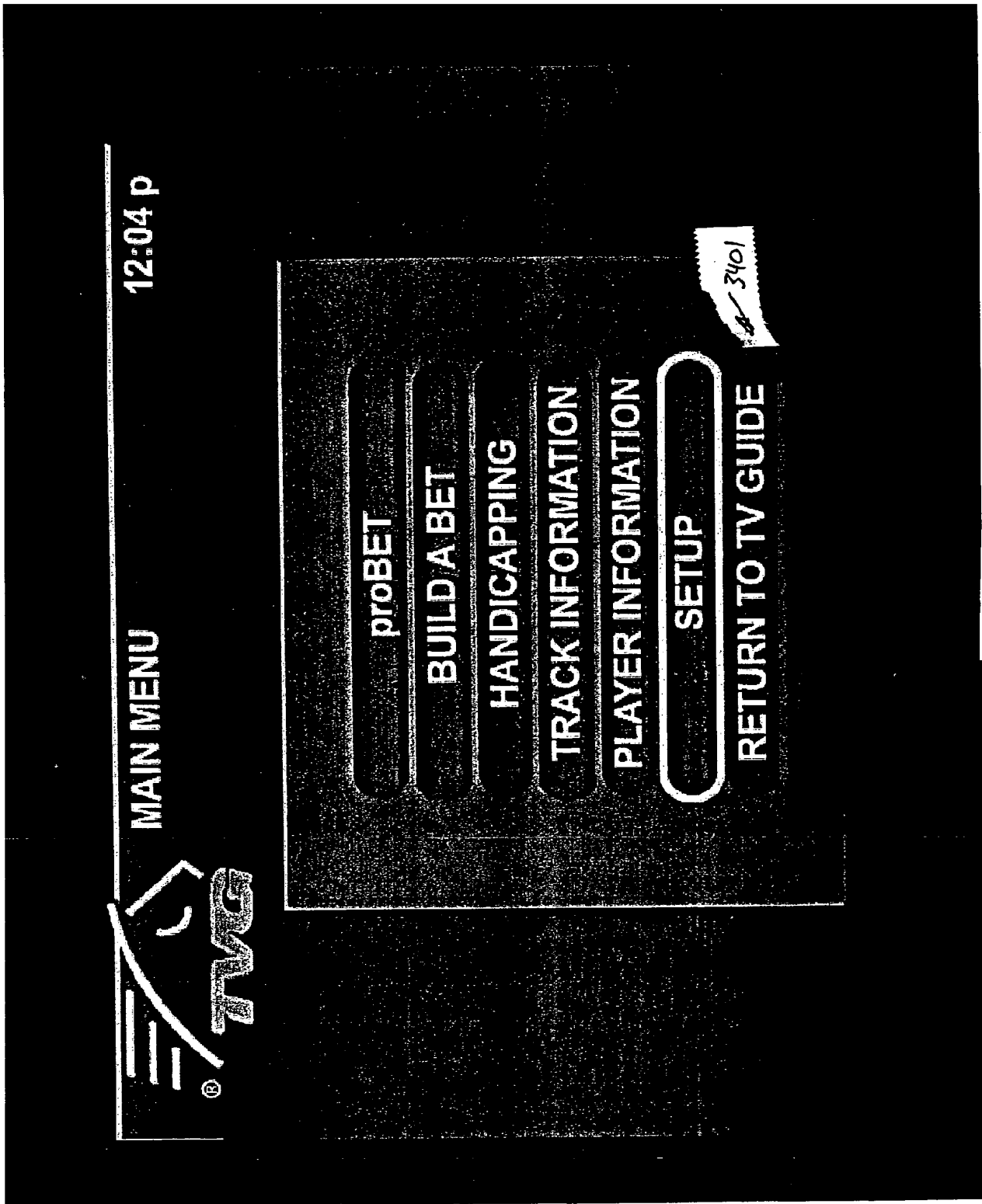


FIG. 73

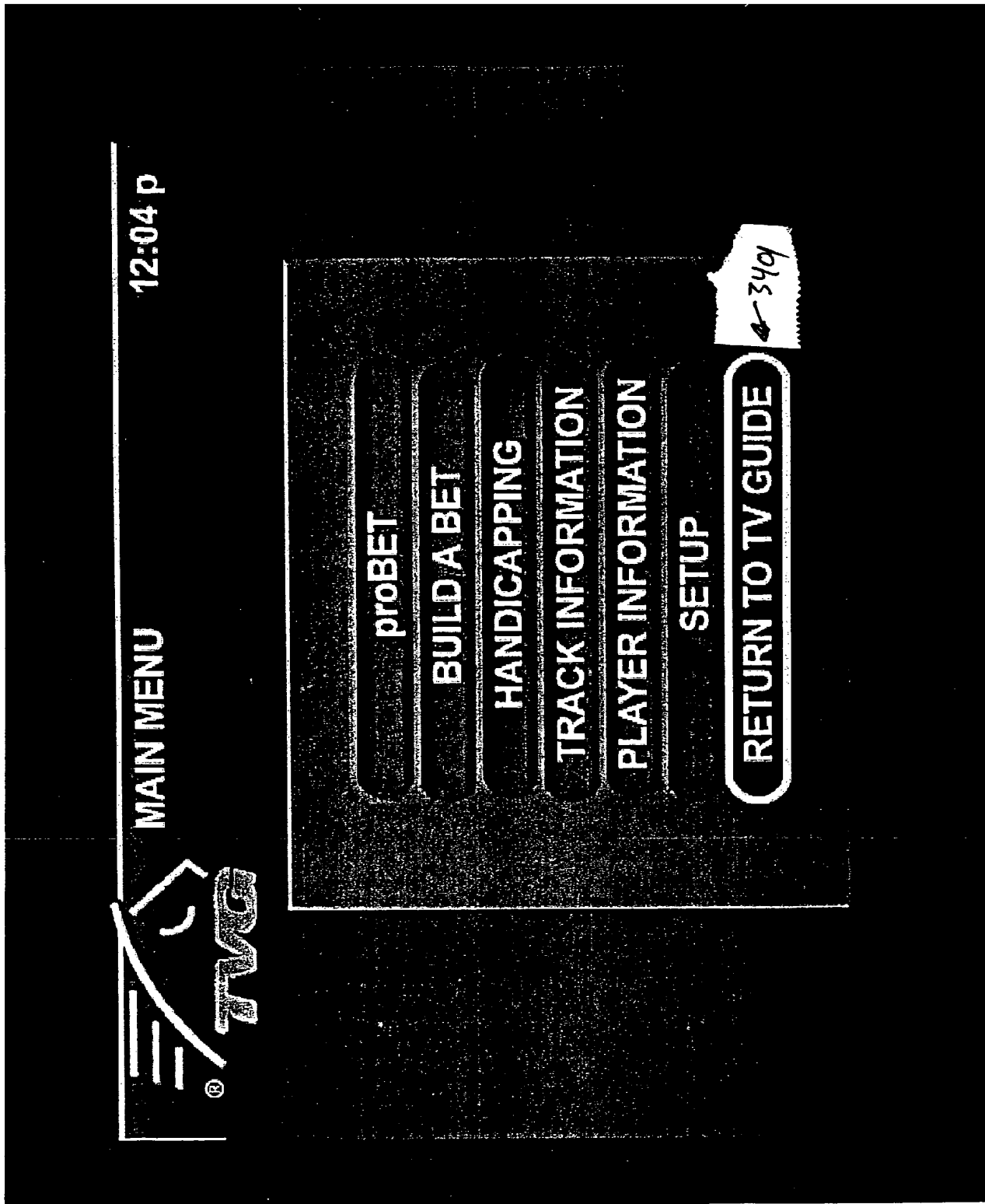


FIG. 74



Fig. 75



FIG. 7c



FIG. 17

15:18
10/14

You've Got Mail
NOW ON
Star Movies S.

You've Got Mail

ch 7 2hr, 10min ch5 PHXM
(— today's pick)

A romantic comedy of a bubbly small book shop owner, played by Meg Ryan, and a cutthroat businessman, Tom Hanks, who would happily run her out of business. The only thing they have in common is a passionate e-mail

16:00
23:15
25th, 3:30
25th, 9:00
25th, 12:50
25th, 17:10

more picks

1
/8

trailer

home

1
/8

exit

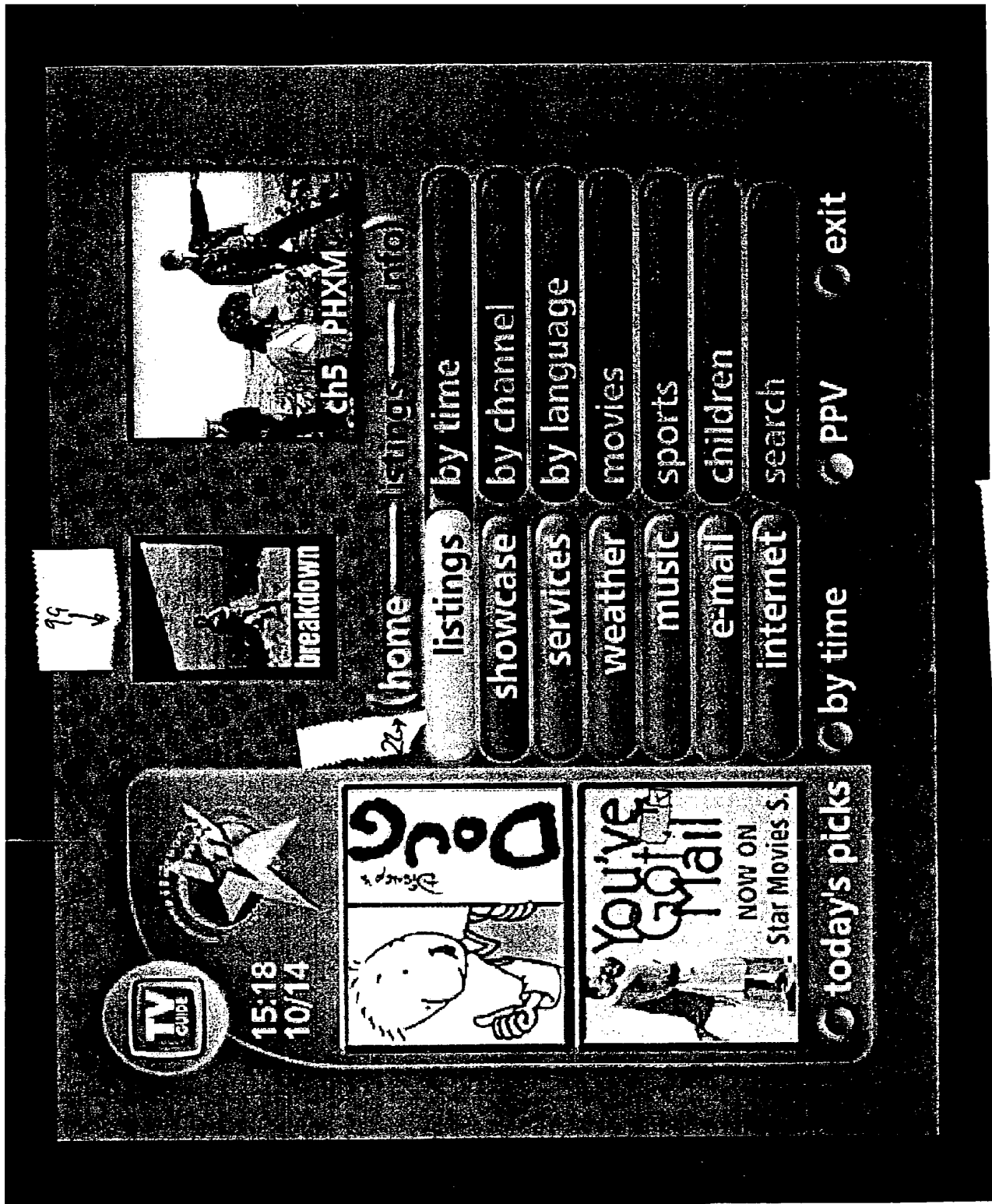


FIG. 79

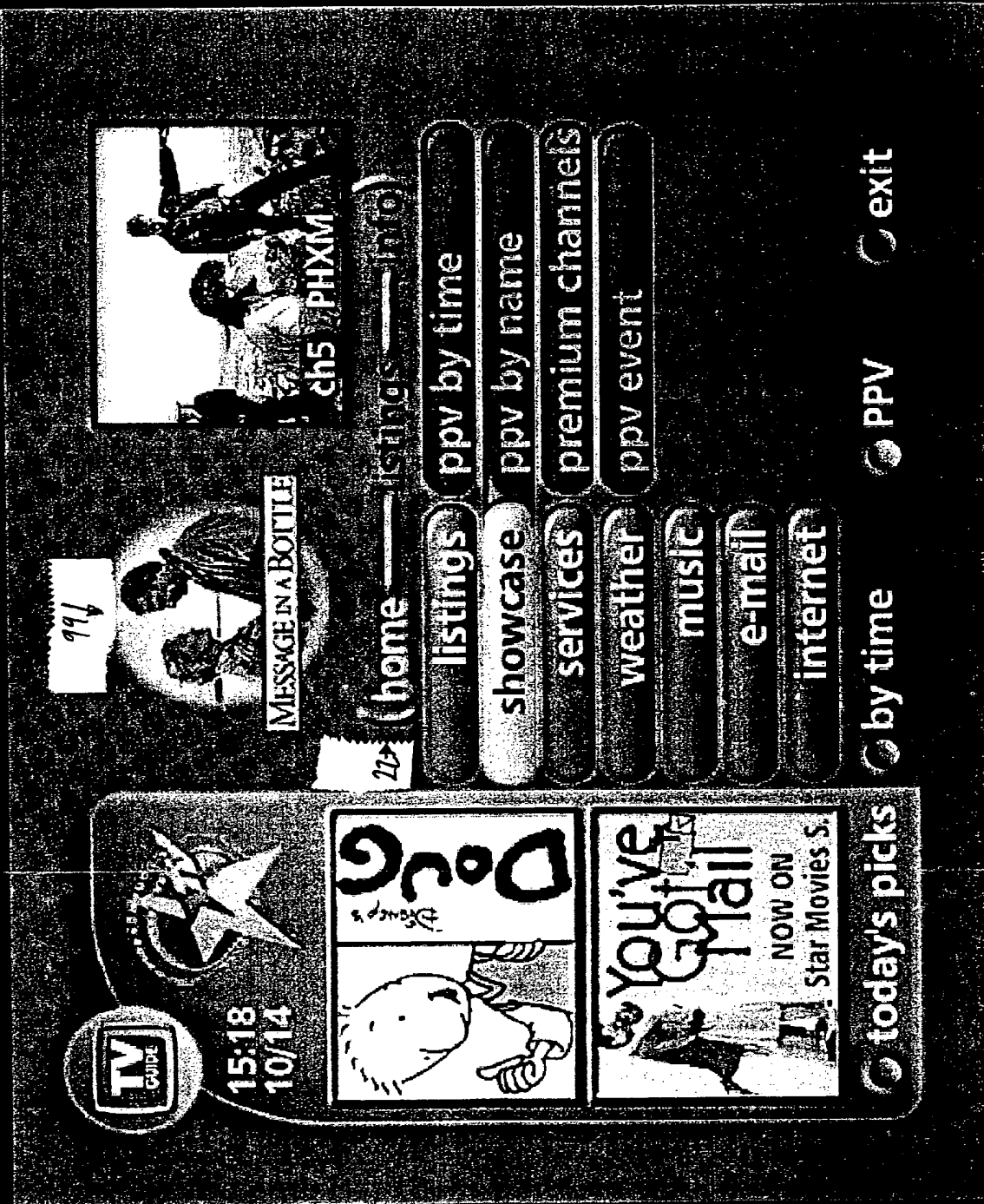


FIG. 80

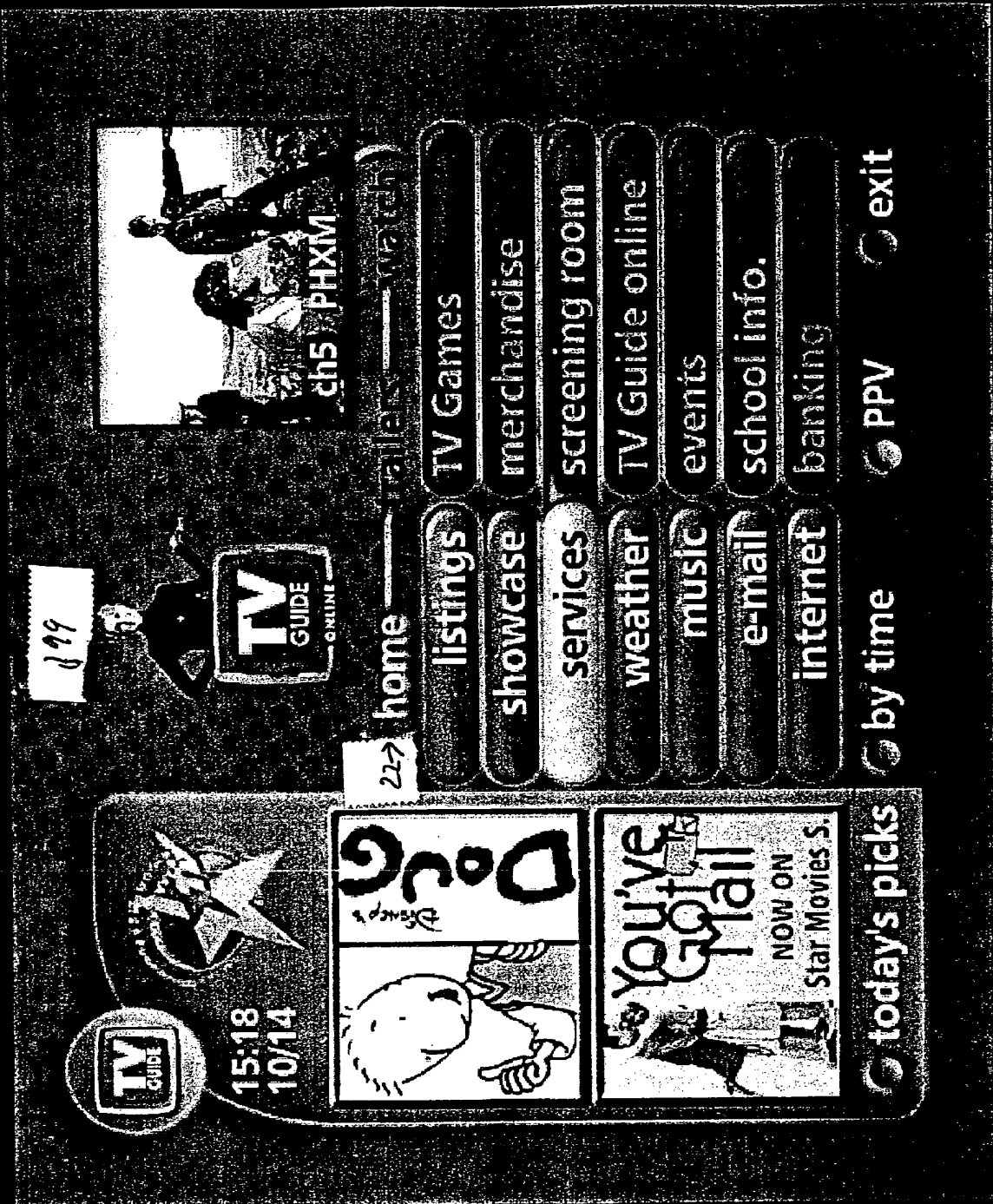


FIG. 81



FIG. 82



FIG. 83



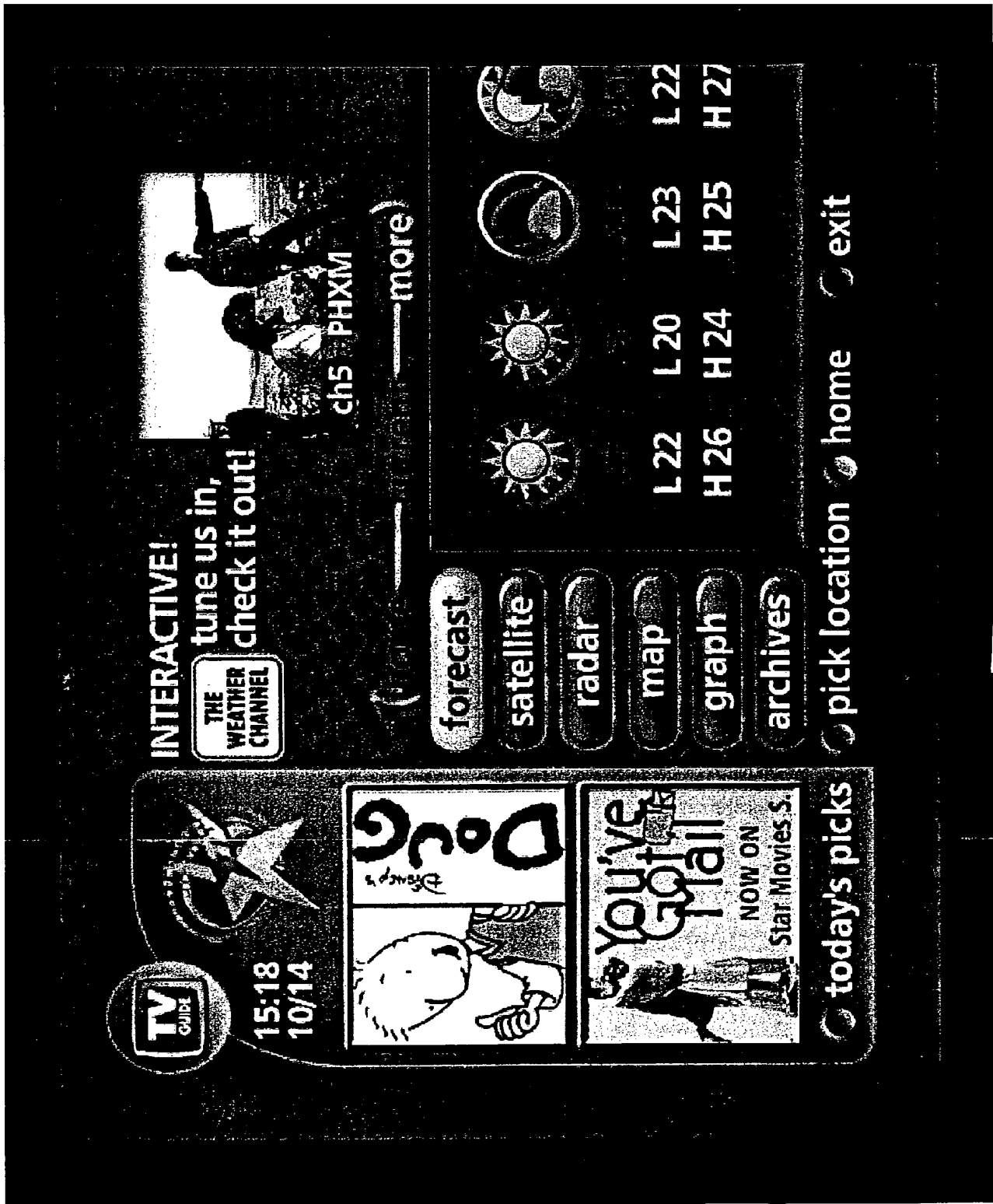


FIG. 85

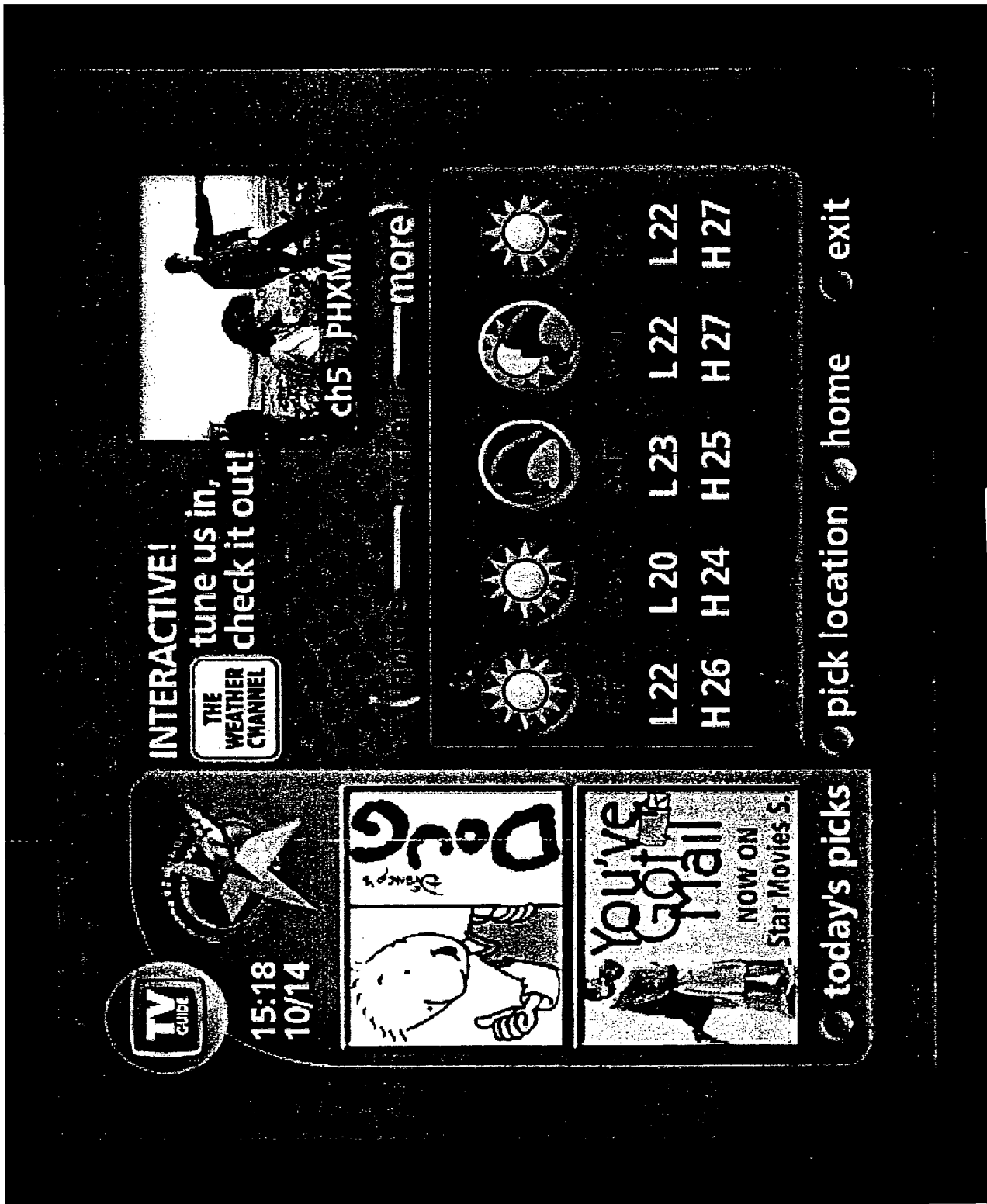


FIG. 8b

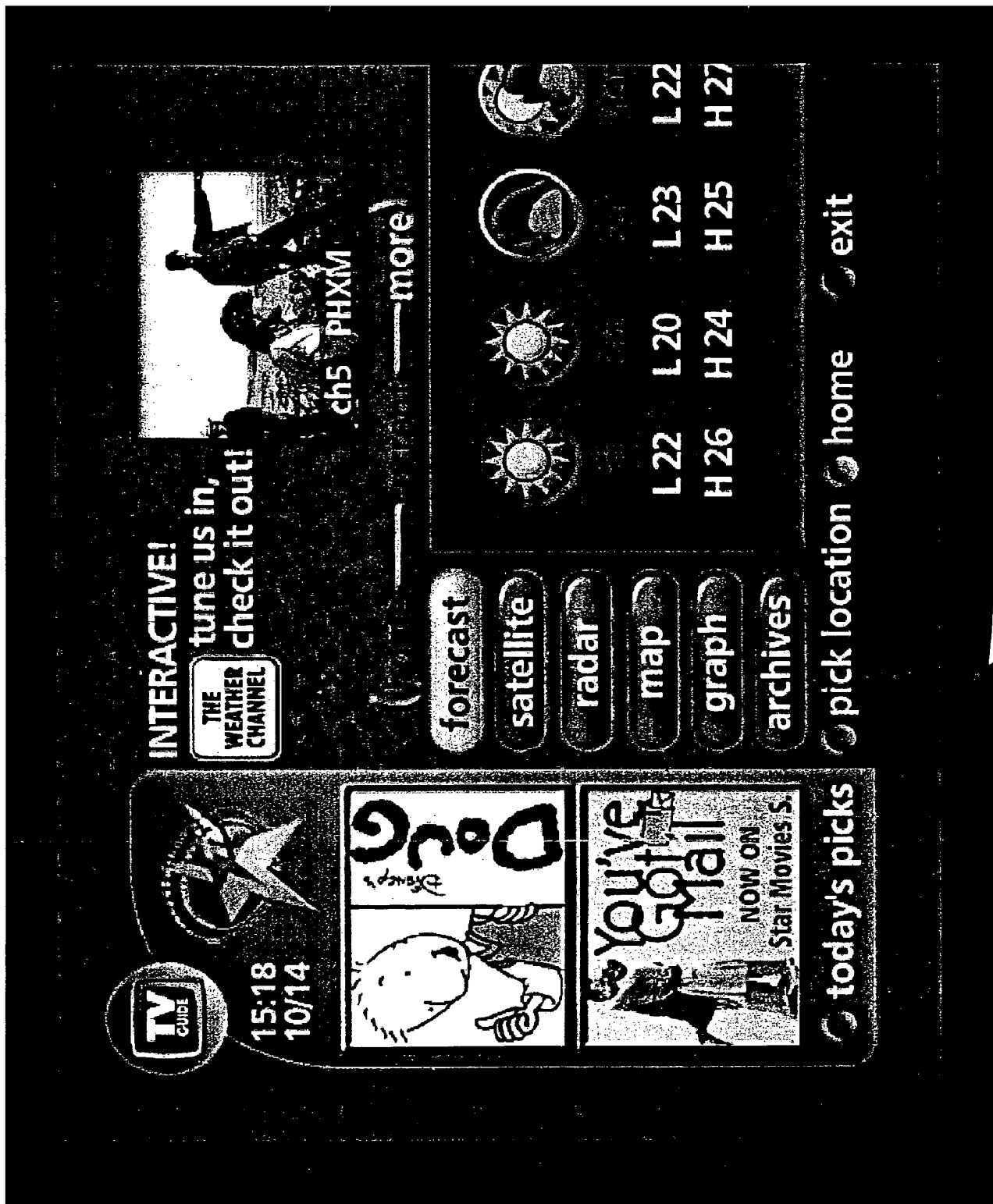


FIG. 87



FIG. 88



FIG. 89



FIG. 90



FIG. 91

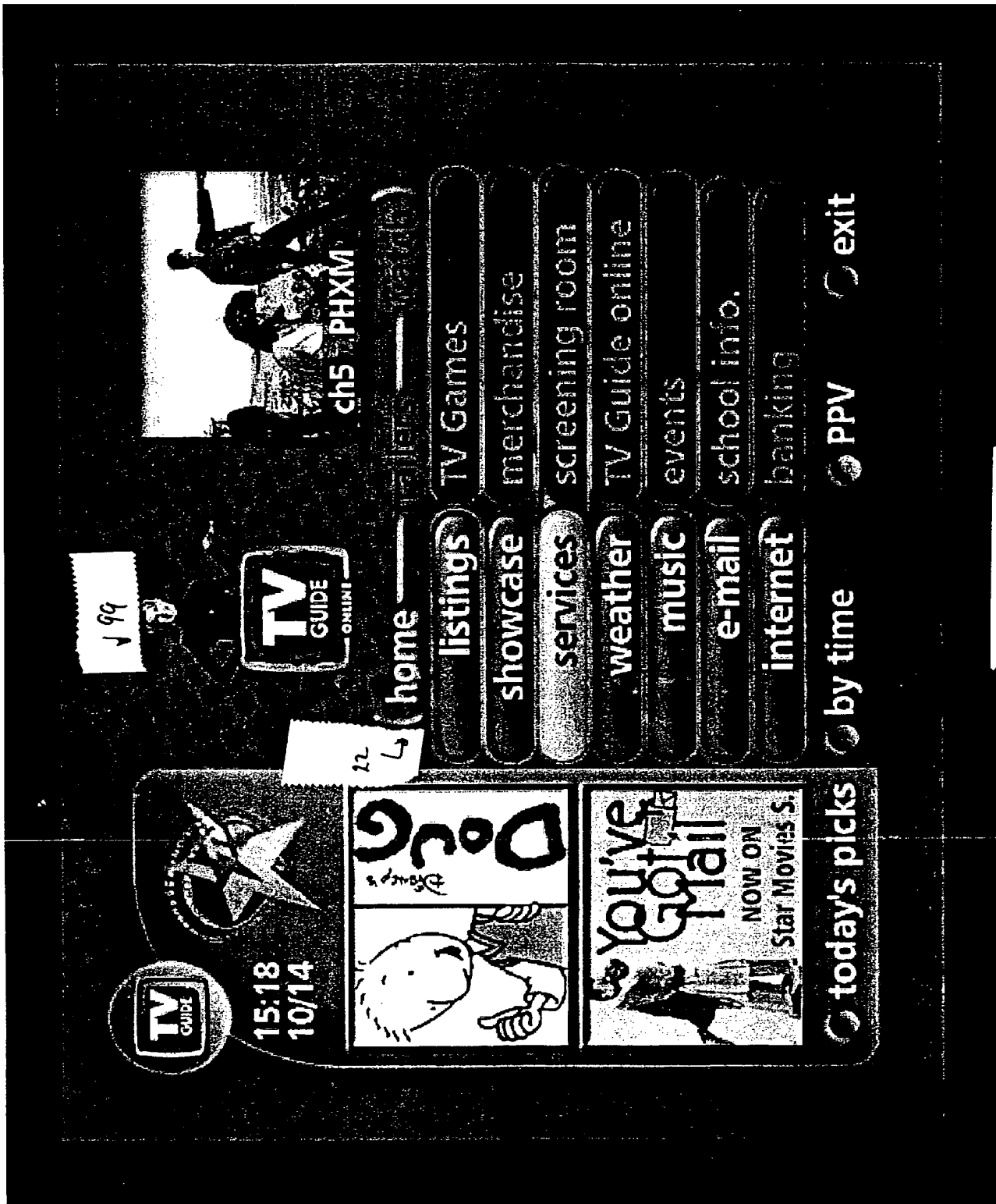


FIG. 92

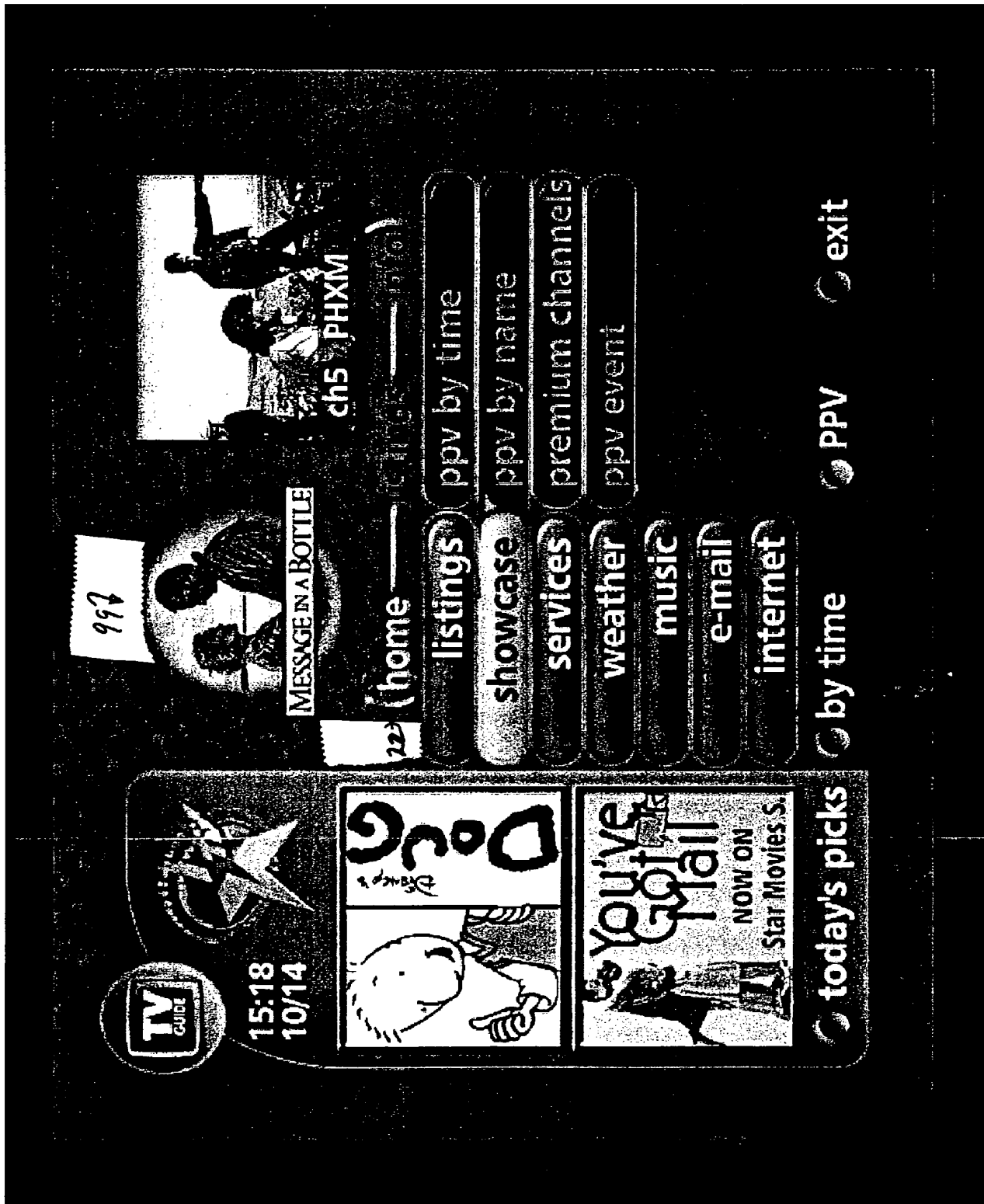


FIG. 93



FIG. 94



FIG. 95

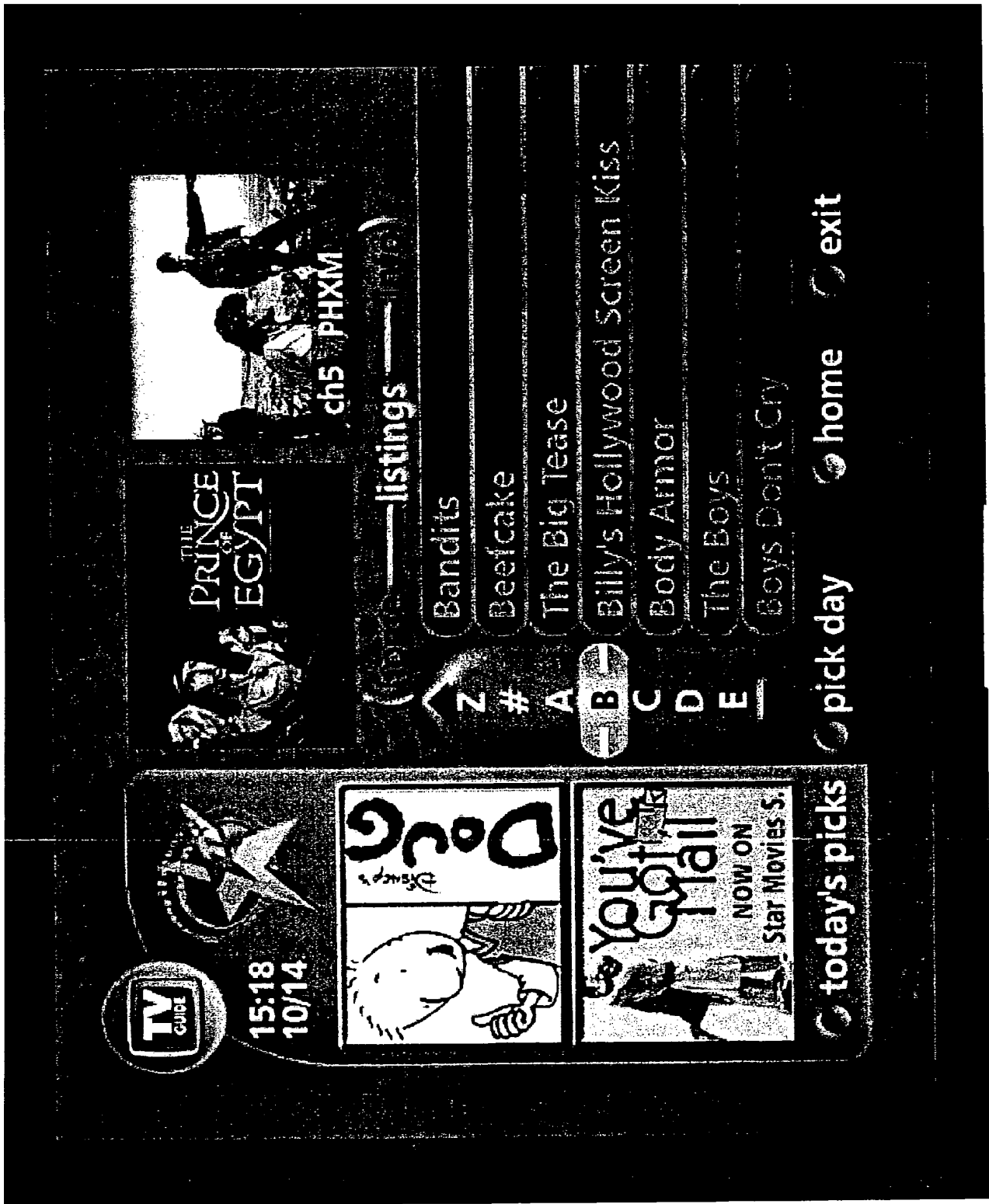


FIG. 96



FIG. 97



FIG. 98

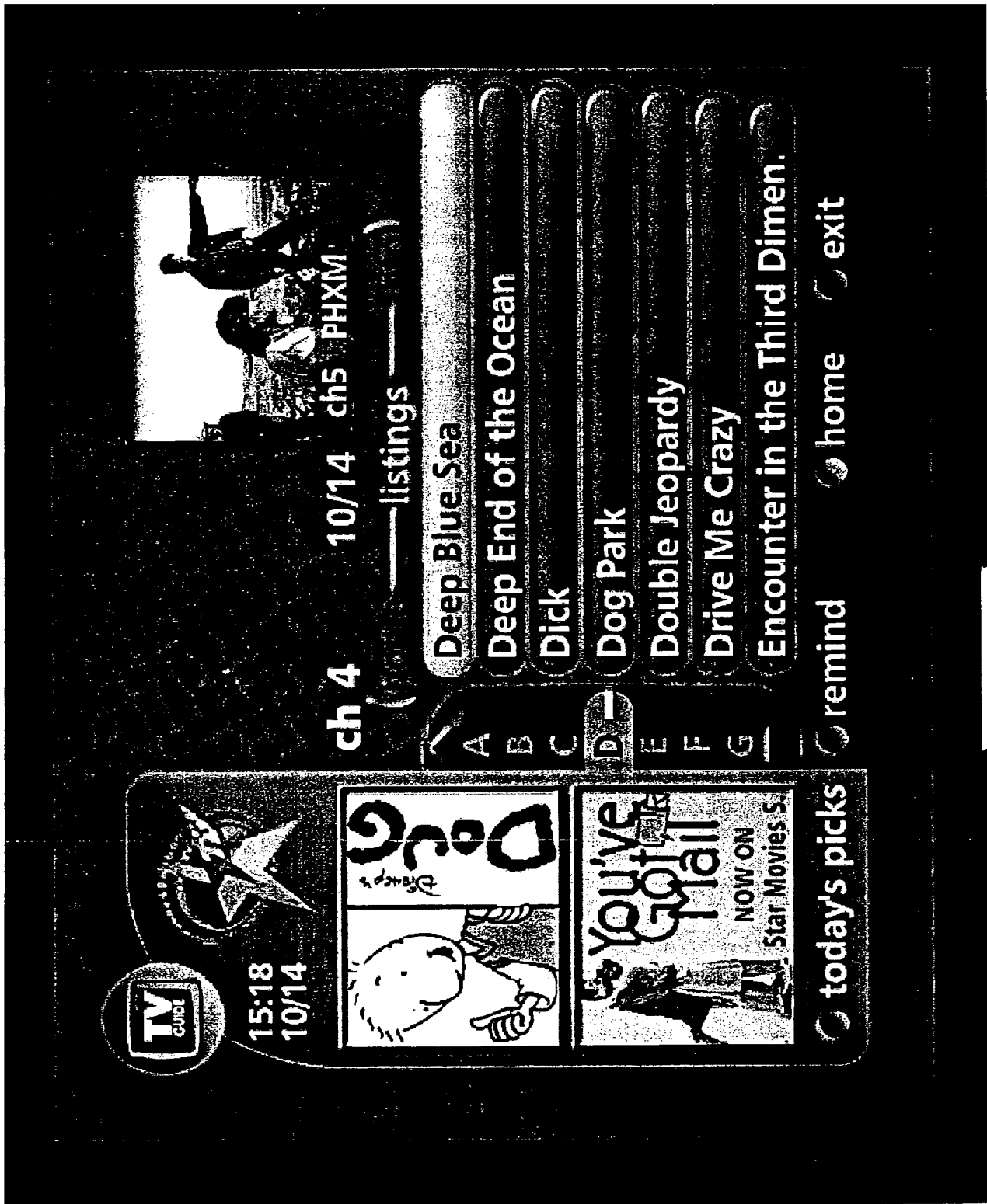


FIG. 99



FIG. 100



Fig. 101



FIG. 102



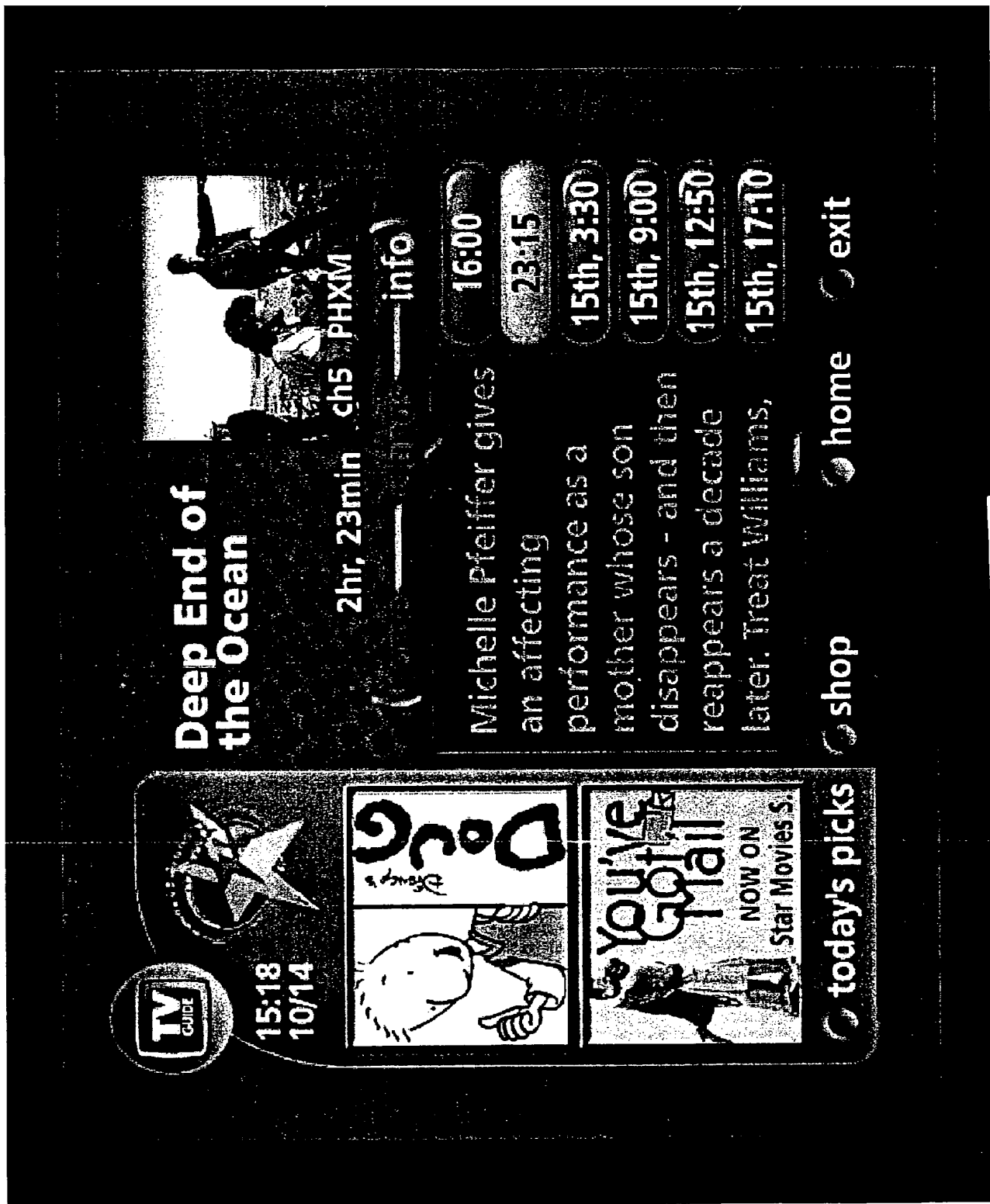


FIG. 104



FIG. 105

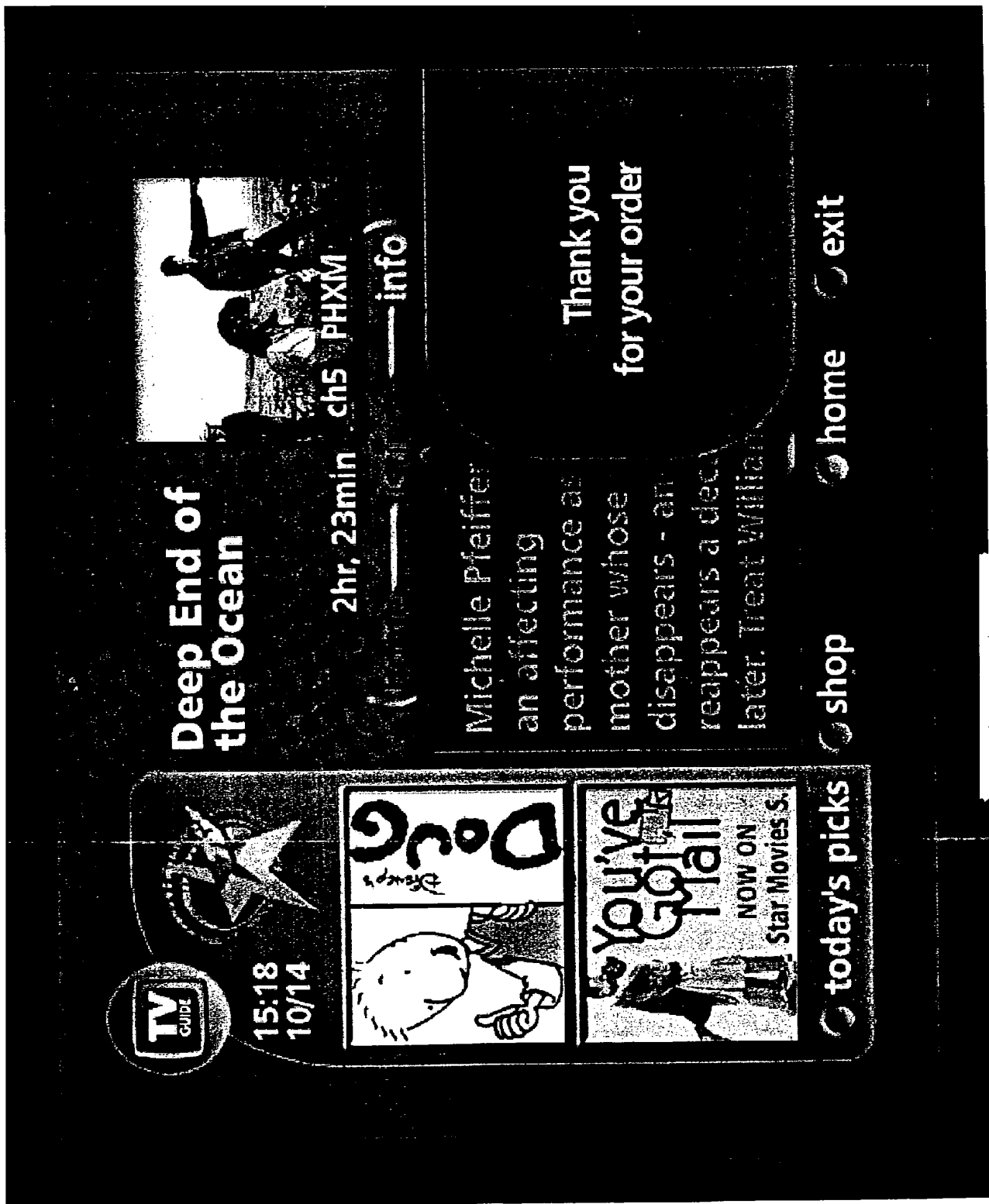


FIG. 106

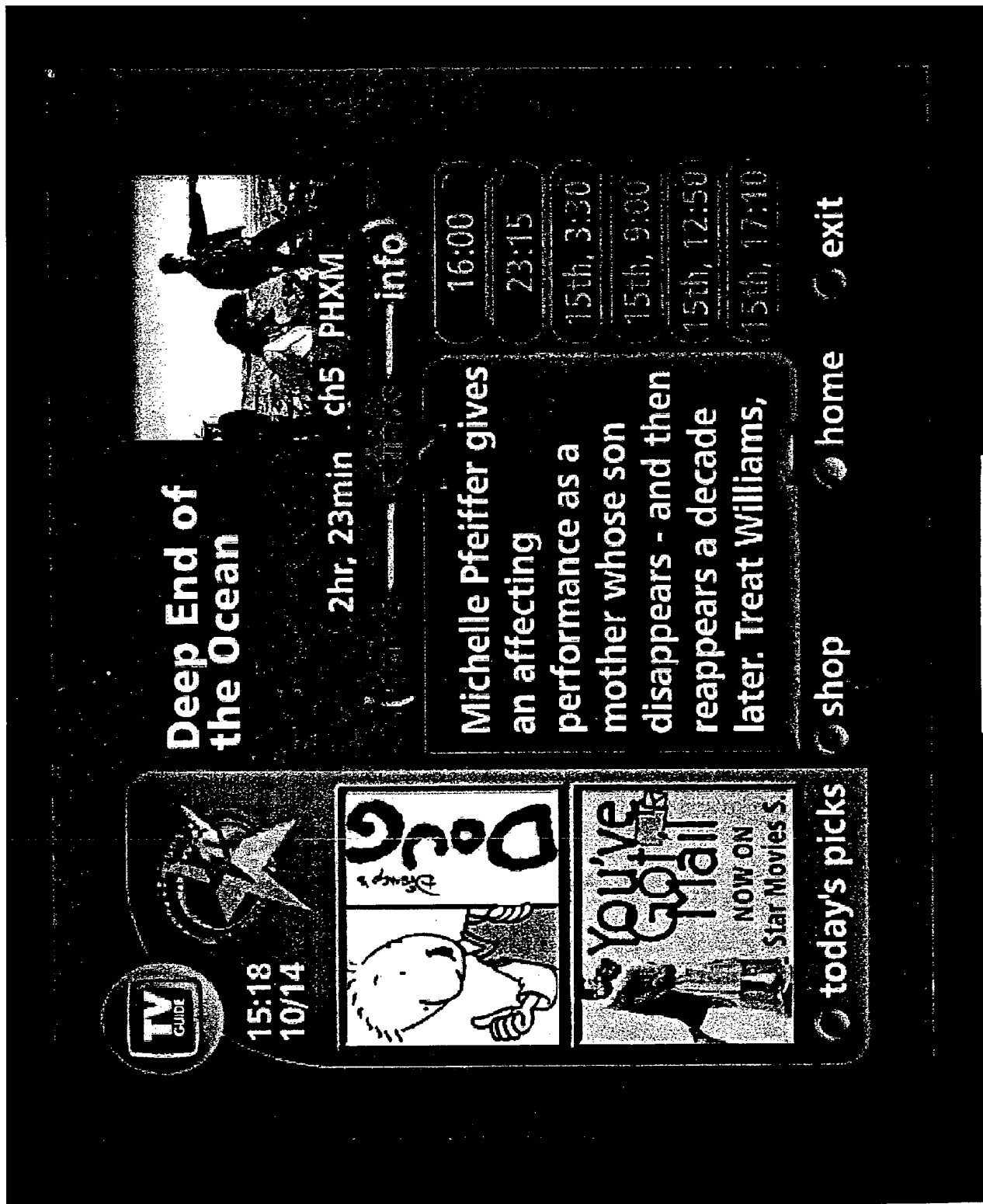


Fig. 107

109



FIG. 108



FIG. 109



FIG. 110



FIG. 111



FIG. 112



FIG. 113

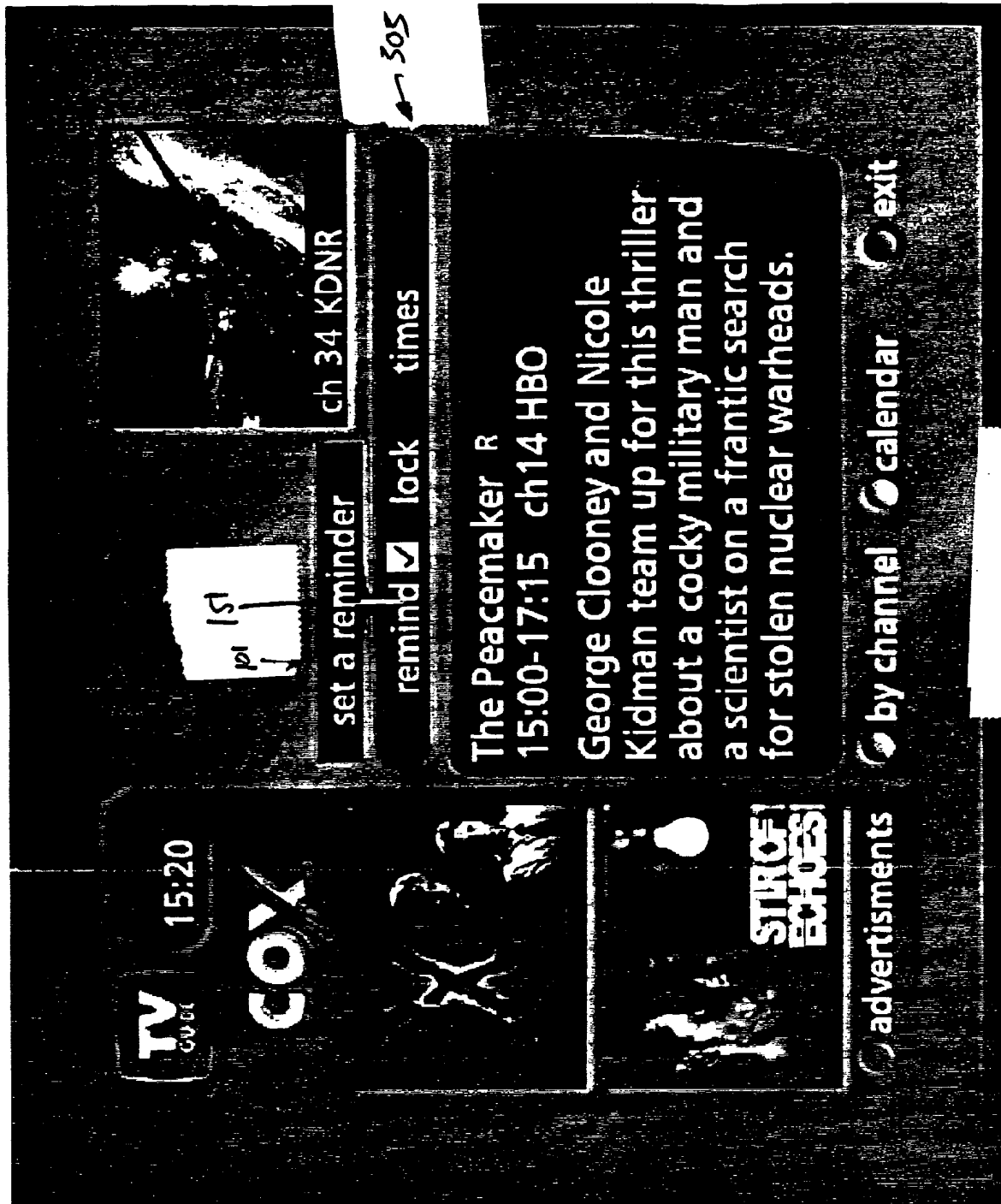


FIG. 114



FIG. 115

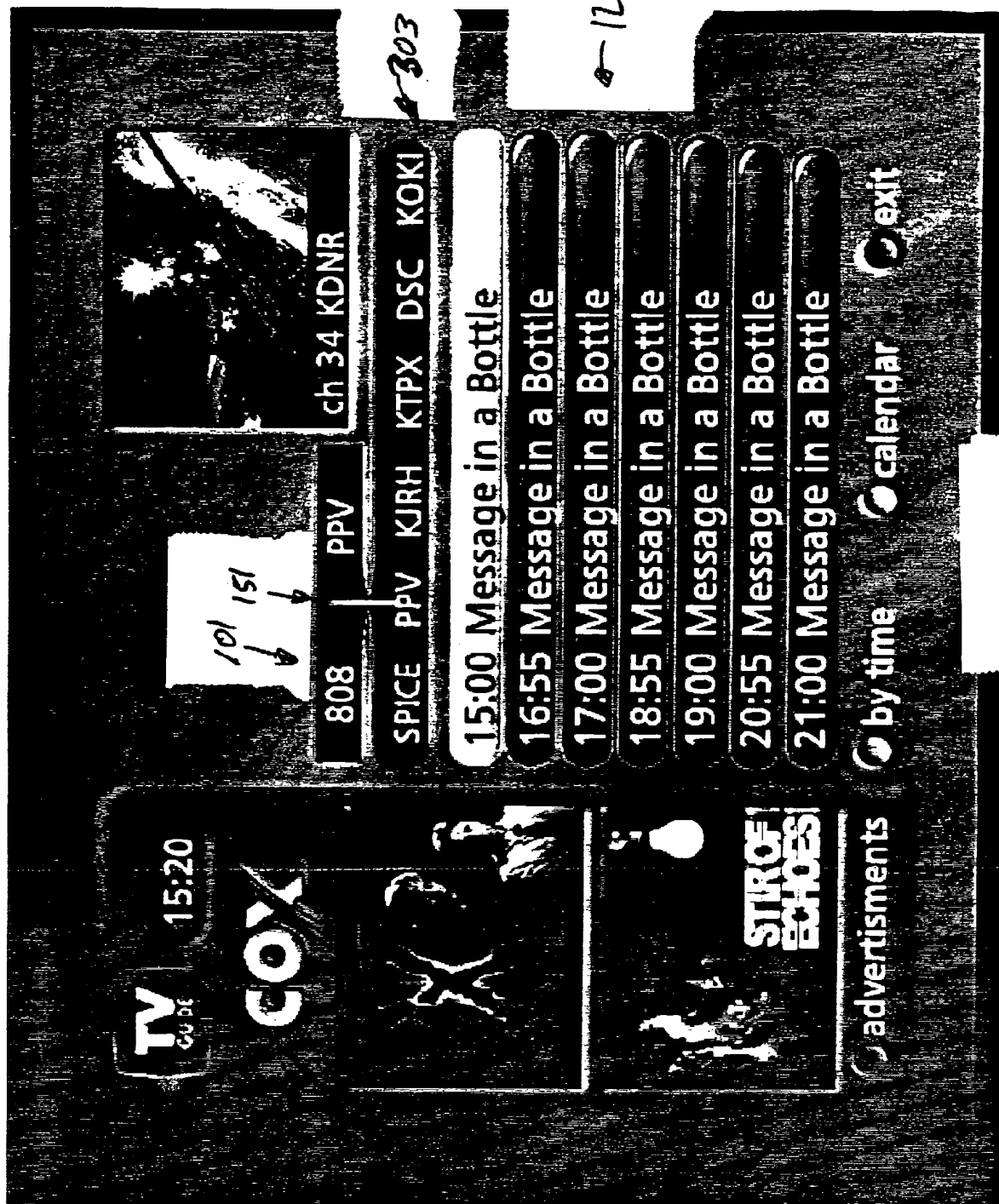


FIG. 116



FIG. 117



FIG. 118



FIG. 119



Fig. 120



FIG. 121



FIG. 122



Fig. 123

TV 15:20

COX

OK to order

101 151

lock 19:20 22:45 Sat1:10 Sat7:35

ch 34 KDNR

Deep End of the Ocean PG-13 \$2.99

19:20-21:25 ch145 PPV3

Michelle Pfeiffer gives an affecting performance as a mother whose son disappears and then reappears a decade later. Treat Williams

advertisments

PPV by time lock

exit

Fig. 124



Fig. 125



FIG. 126



Fig. 127



FIG. 128



FIG. 129

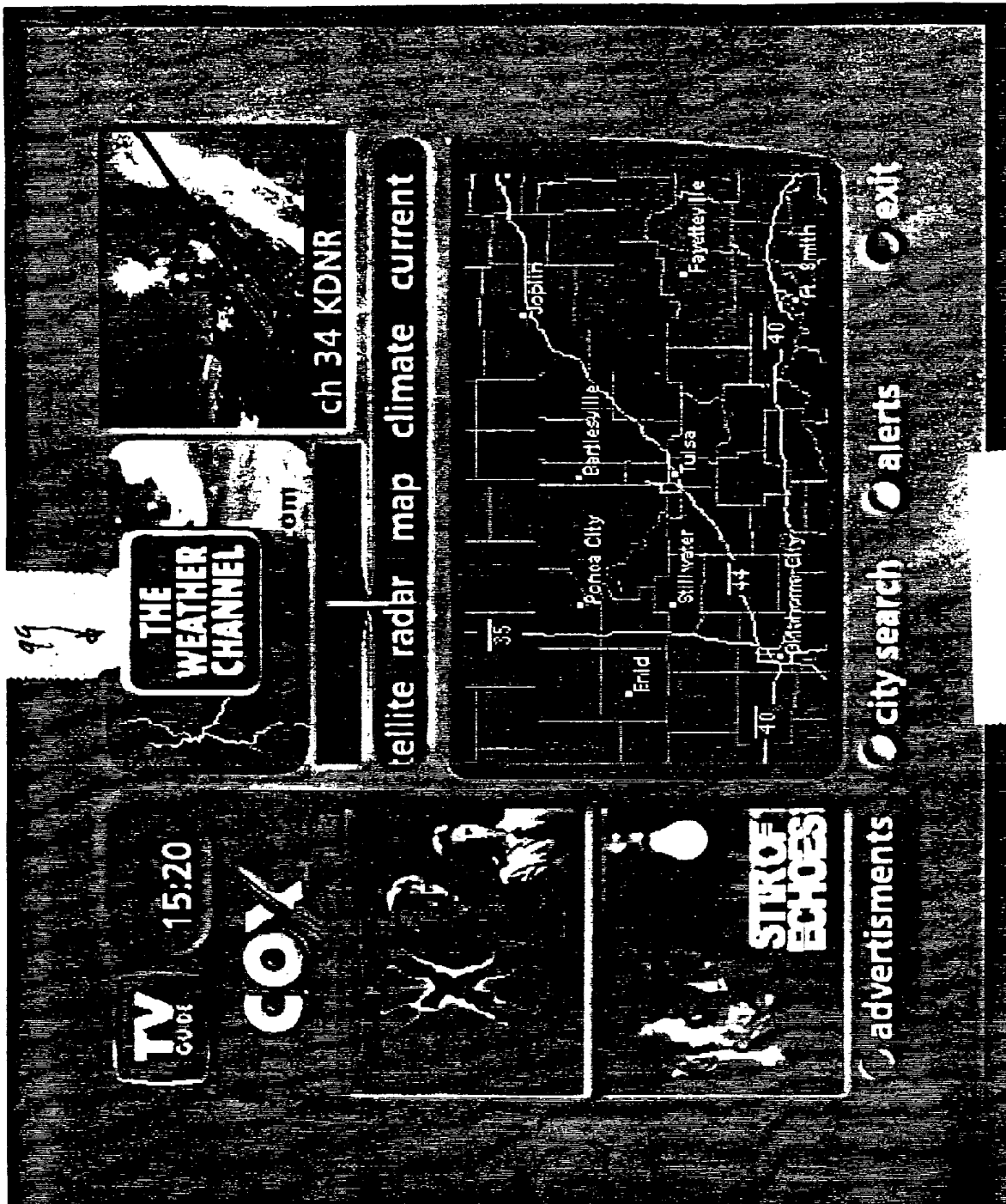


FIG. 130



FIG. 13



File 132



FIG. 133





FIG. 135



FIG. 136A



Fig. 136B

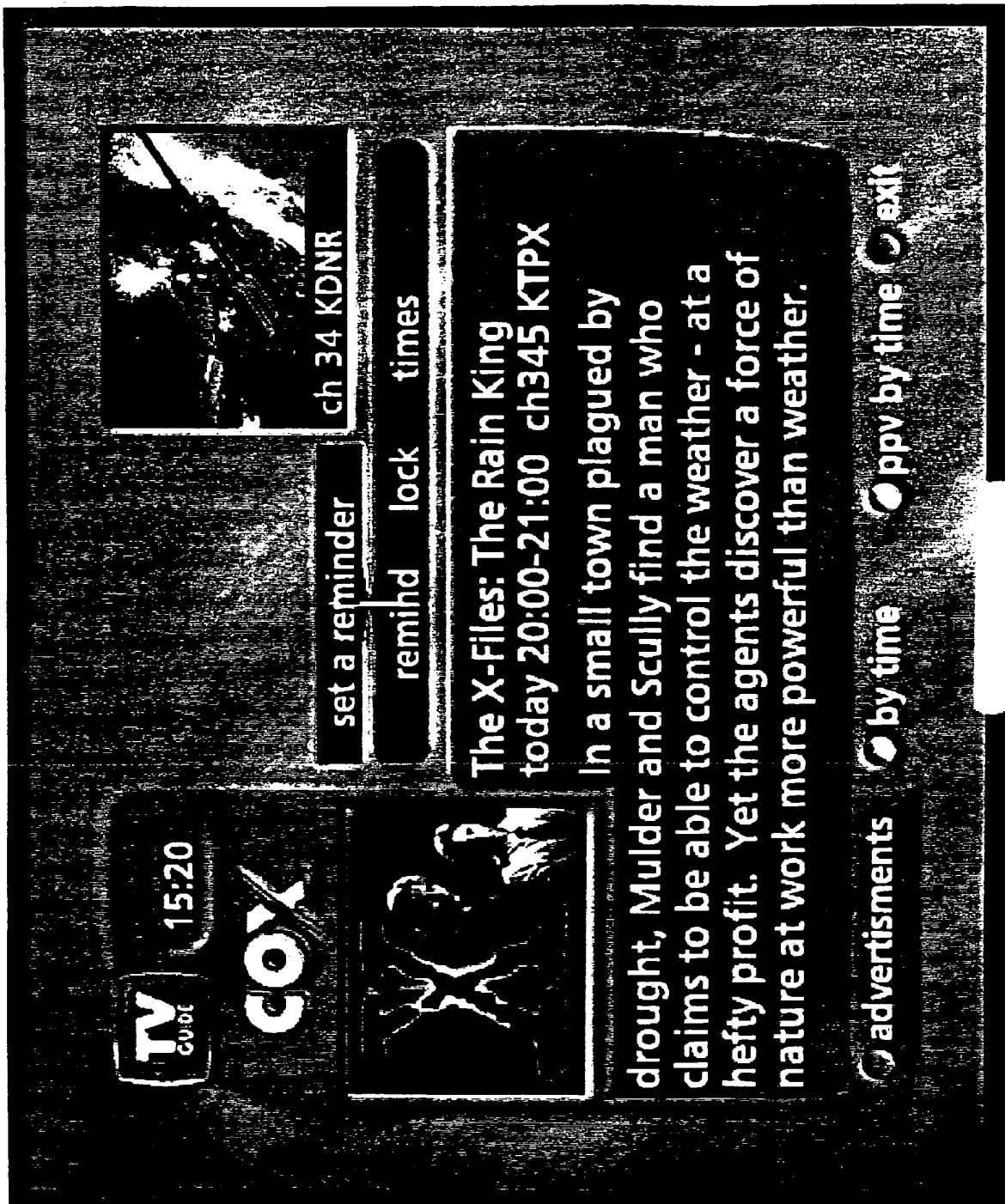





FIG. 137A



15:20

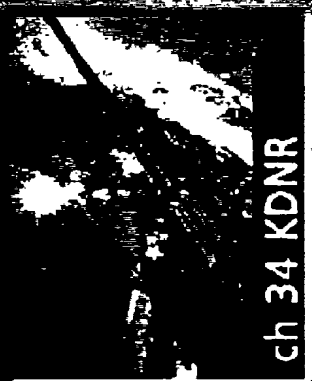




OK to order

lock 19:20 22:45 Sat1:10 Sat7:35

ch 34 KDNR



Stir of Echoes R

\$2.99

today 19:20-22:10 ch576 PPV12

A chance event awakens the psychic abilities of an average man. Now he is hearing the private thoughts of people around him - and learning secrets he never wanted to know. Kevin Bacon, Illeana Douglas, Kevin Duma.

☐ advertisements

☐ by time

☐ ppv by time

☐ exit

Fig. 139B

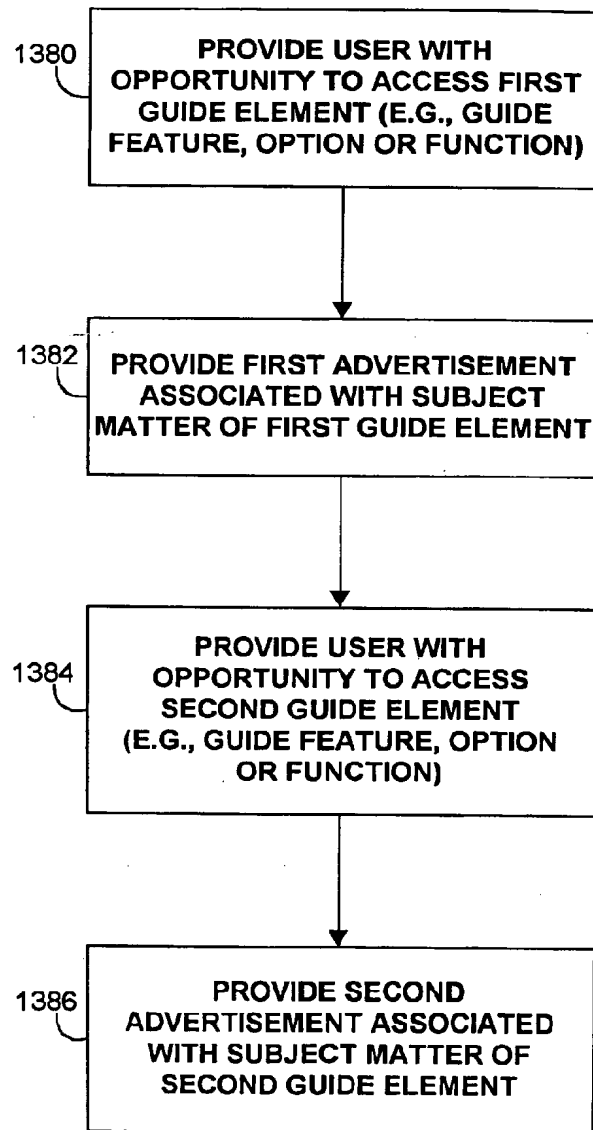


FIG. 138

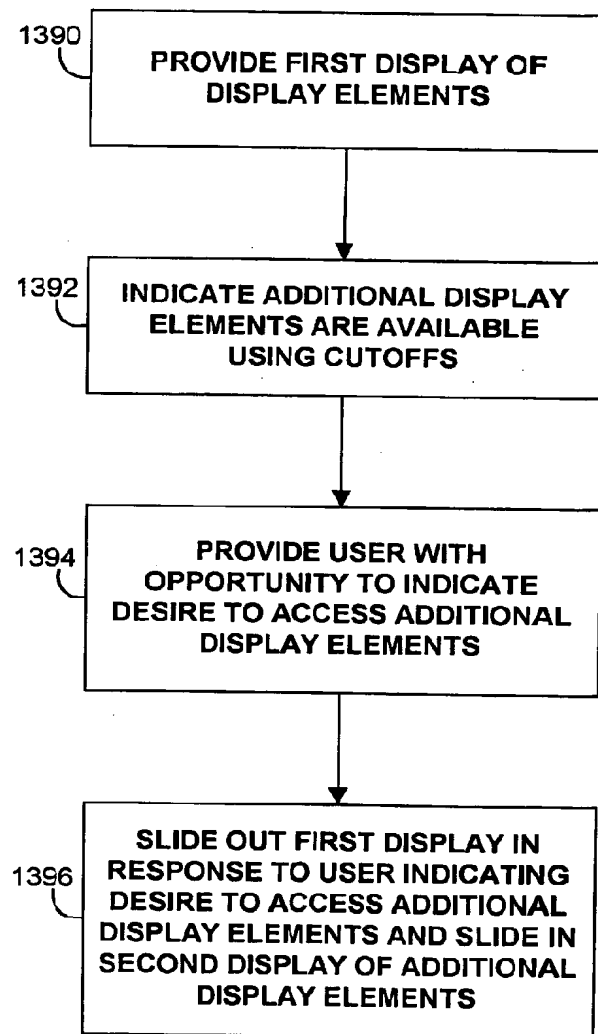


FIG. 139

114

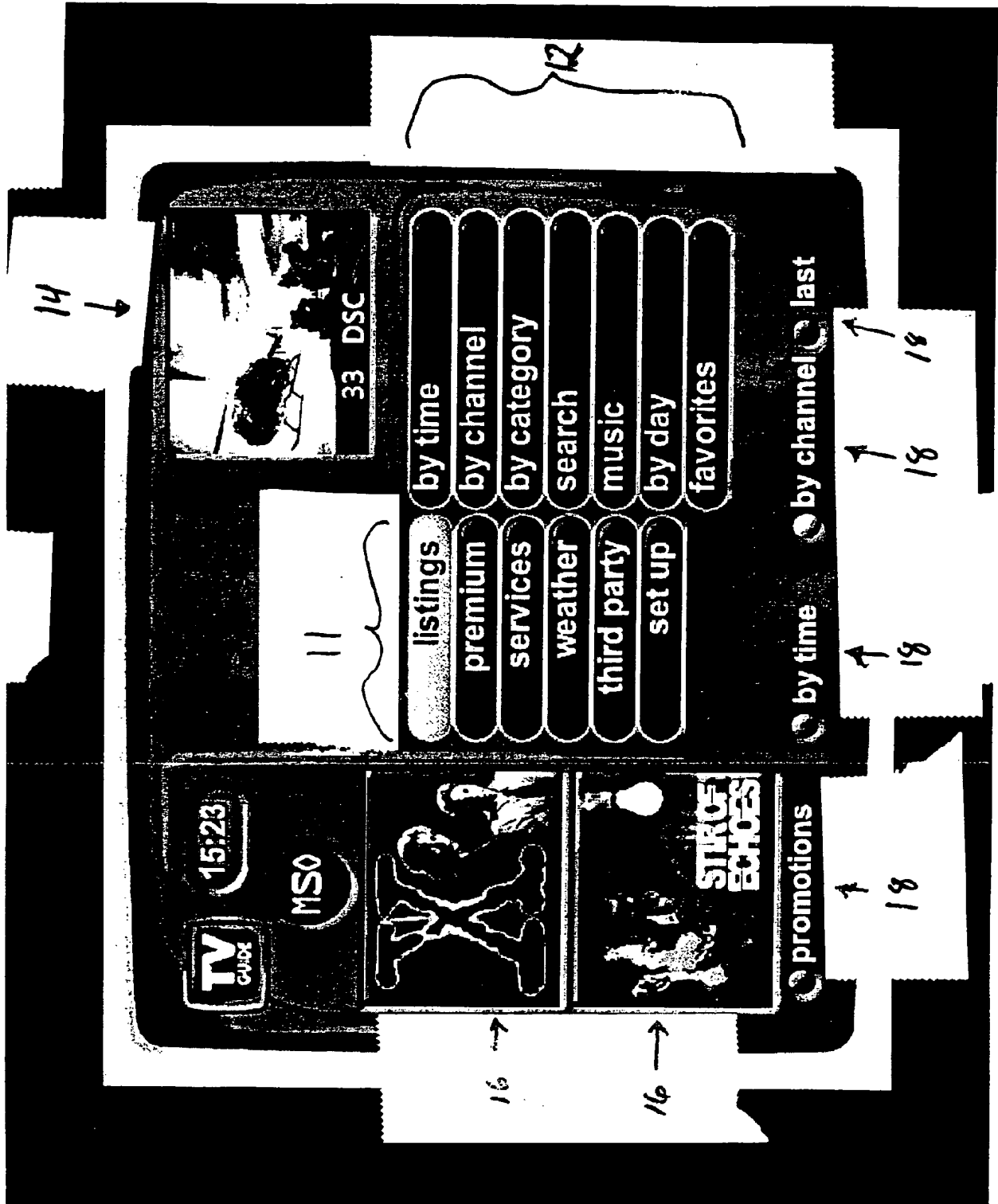


FIG. 140

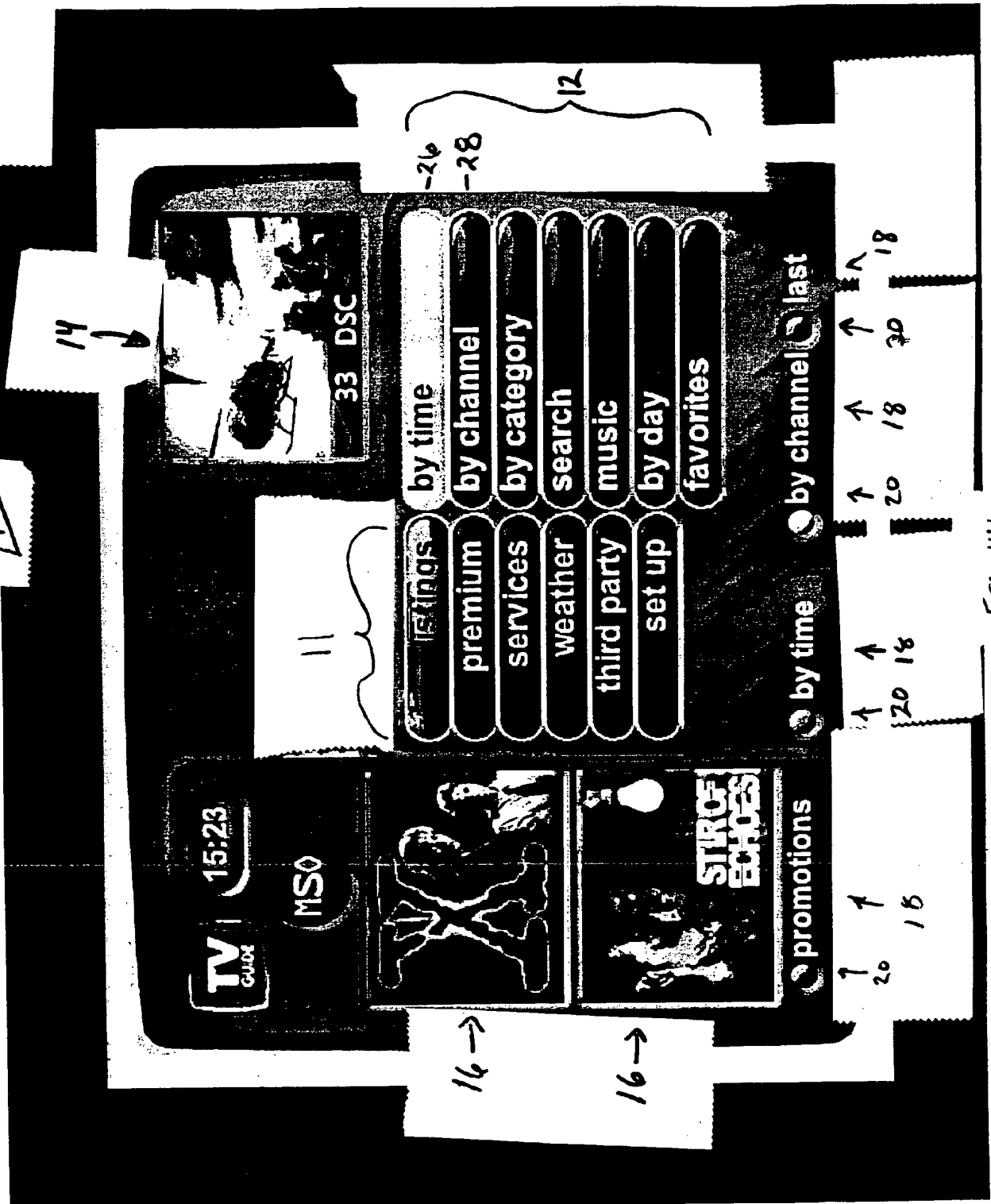


FIG. 141



FIG. 142

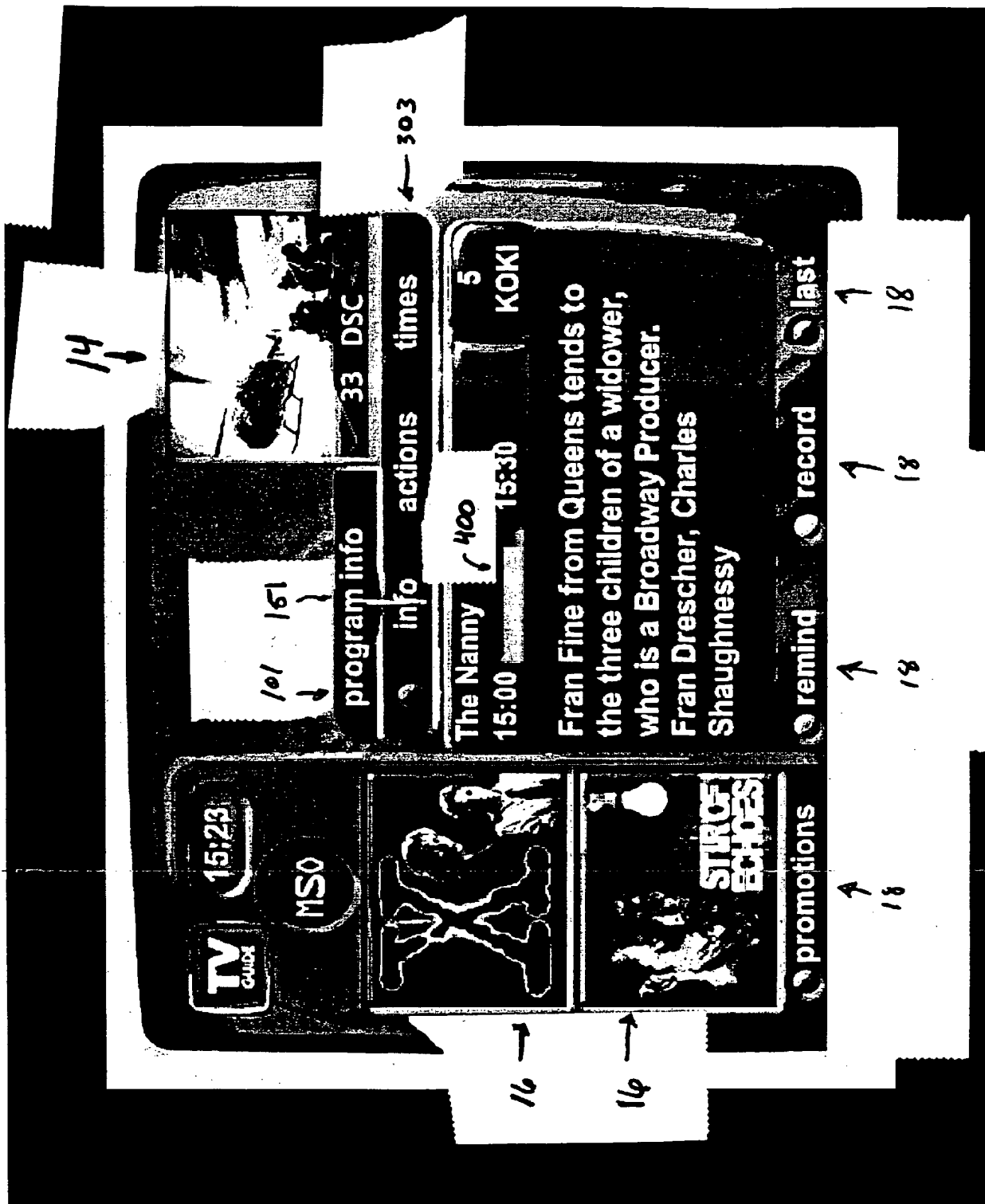


FIG. 143

UV-160 Rev. 4

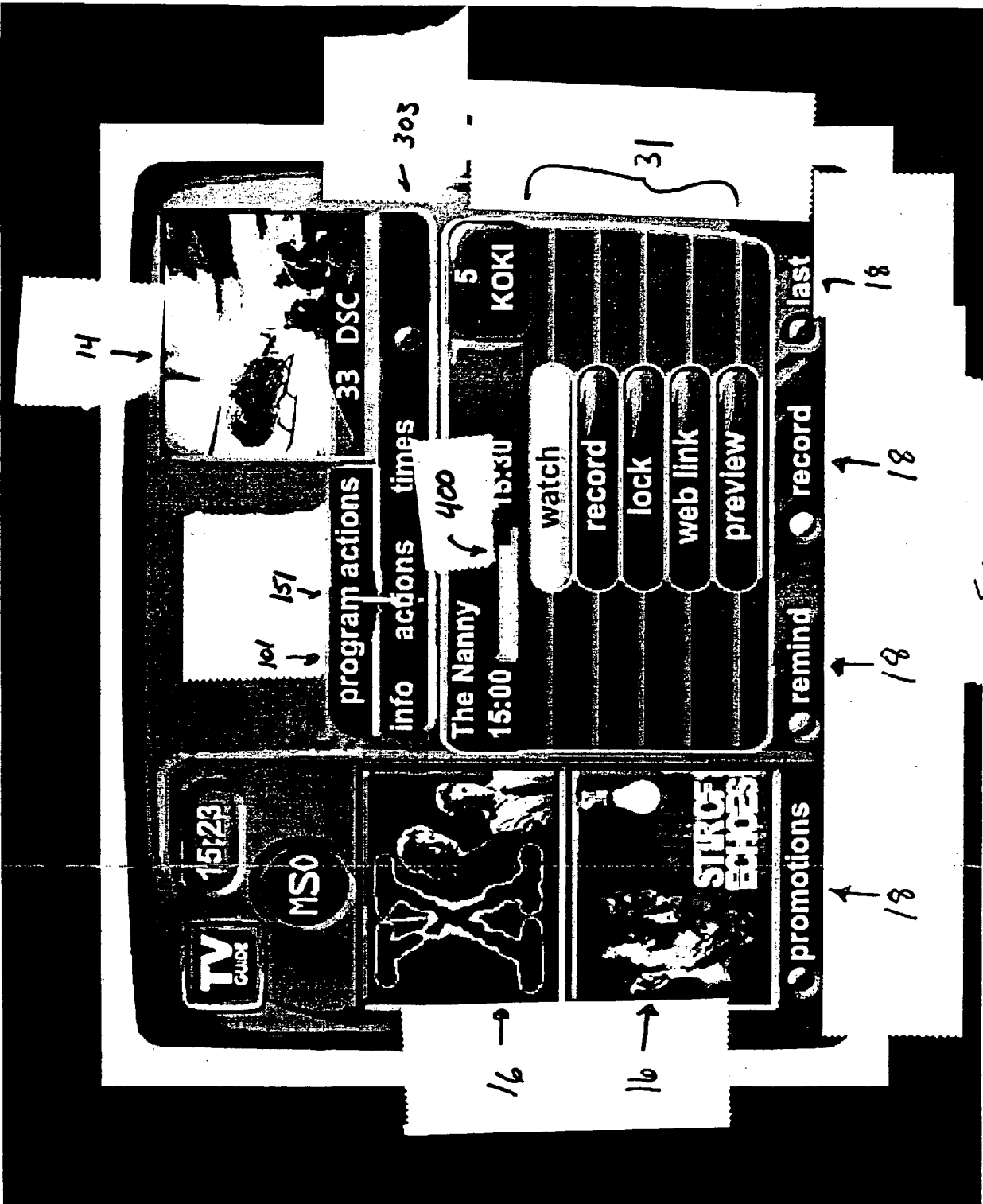


FIG. 144

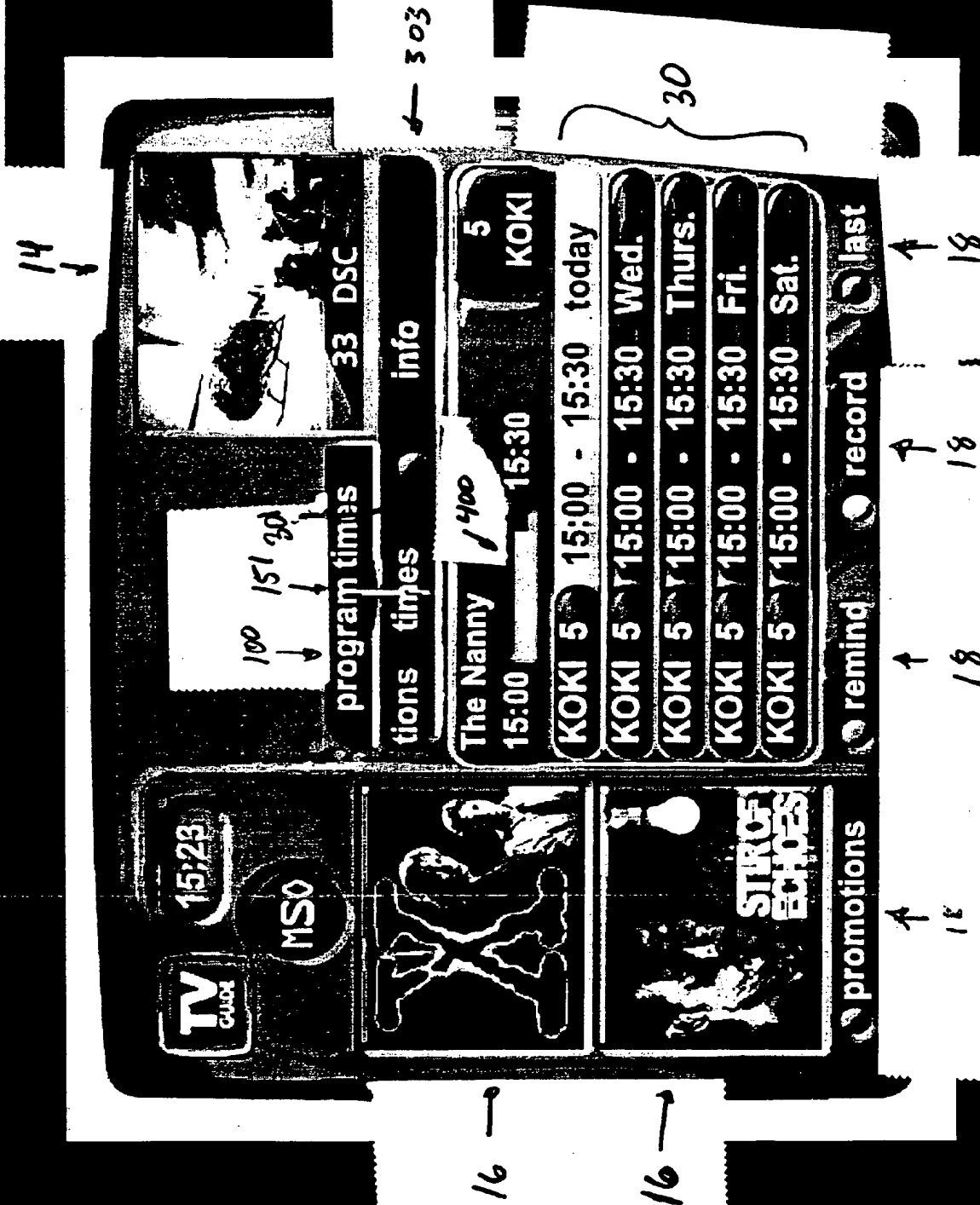
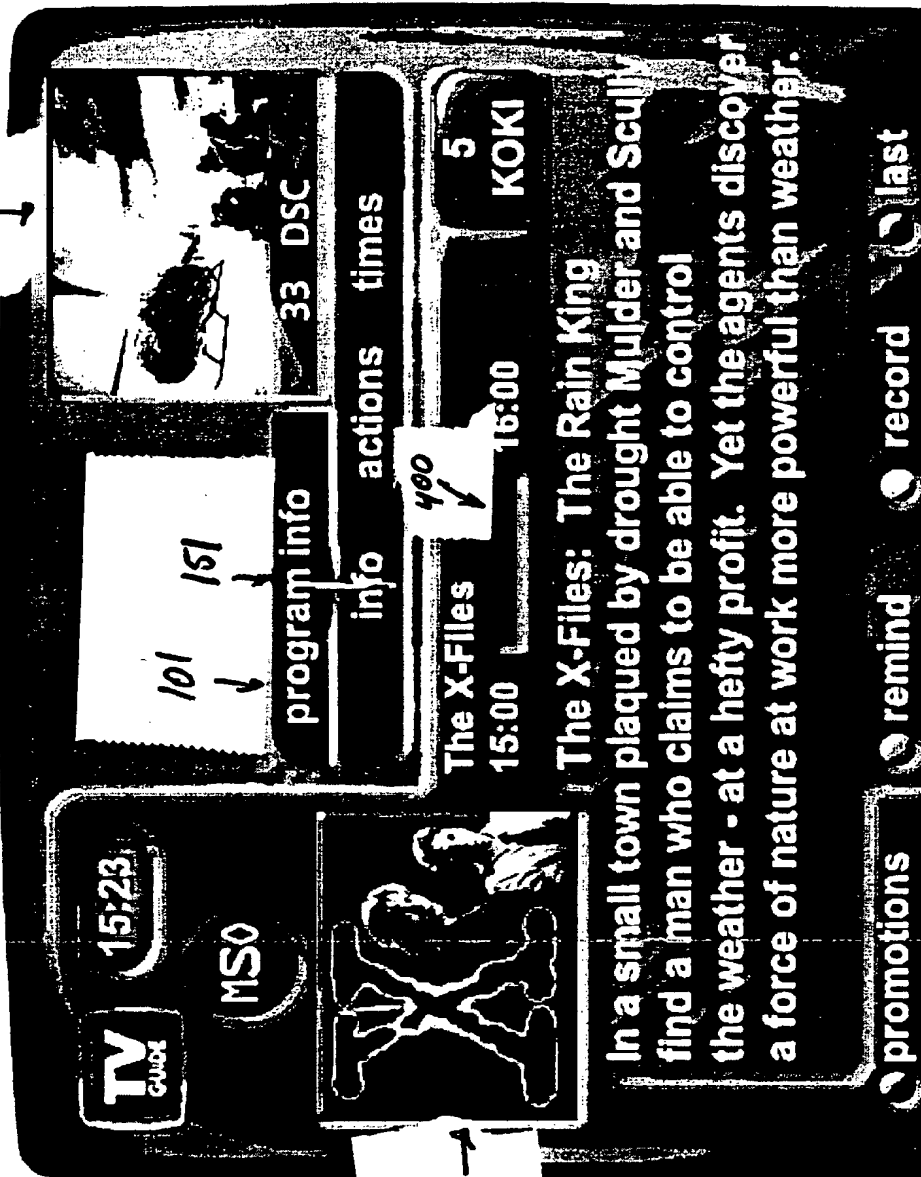
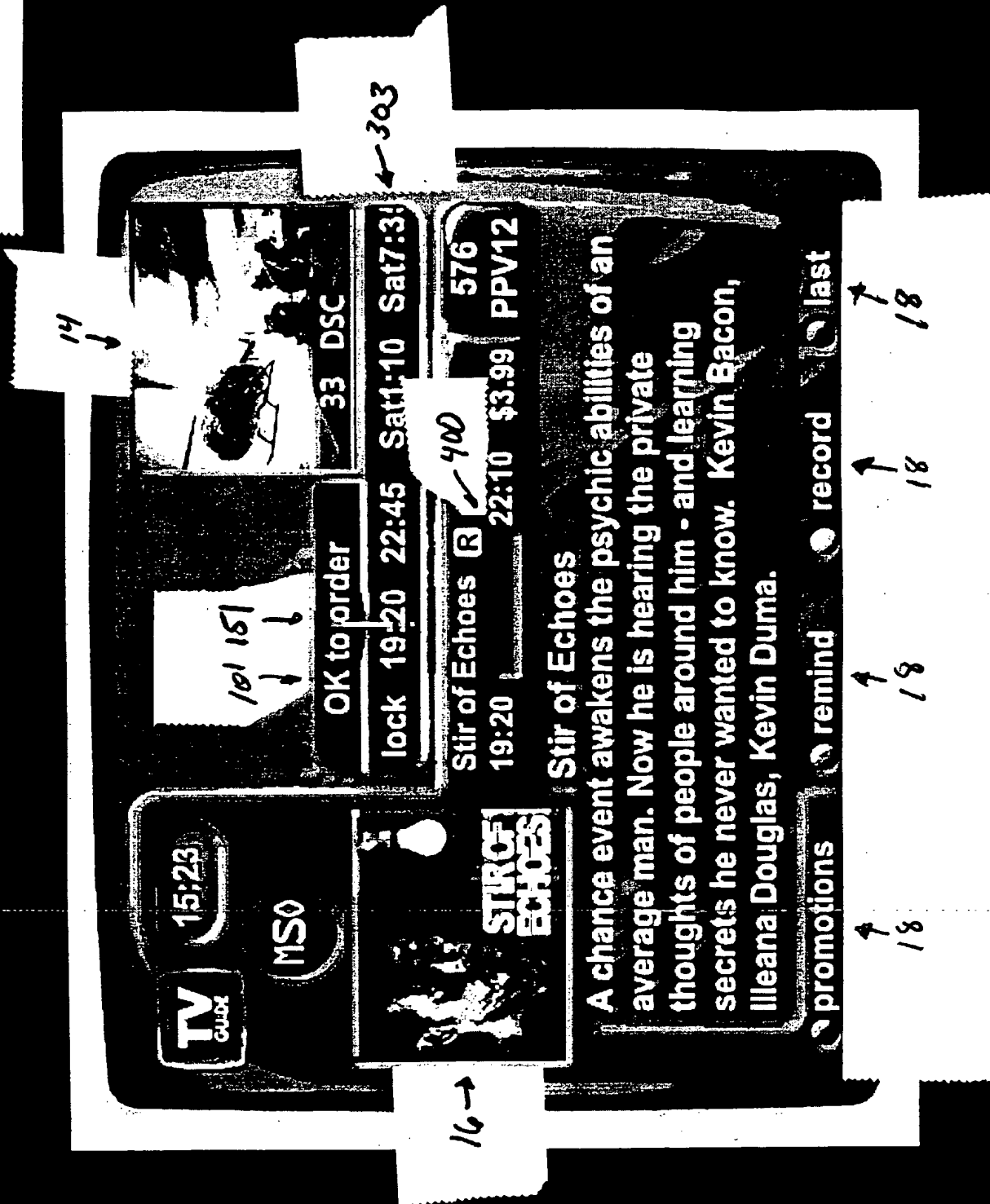


FIG. 145



14 18

FIG. 146



Feb. 147

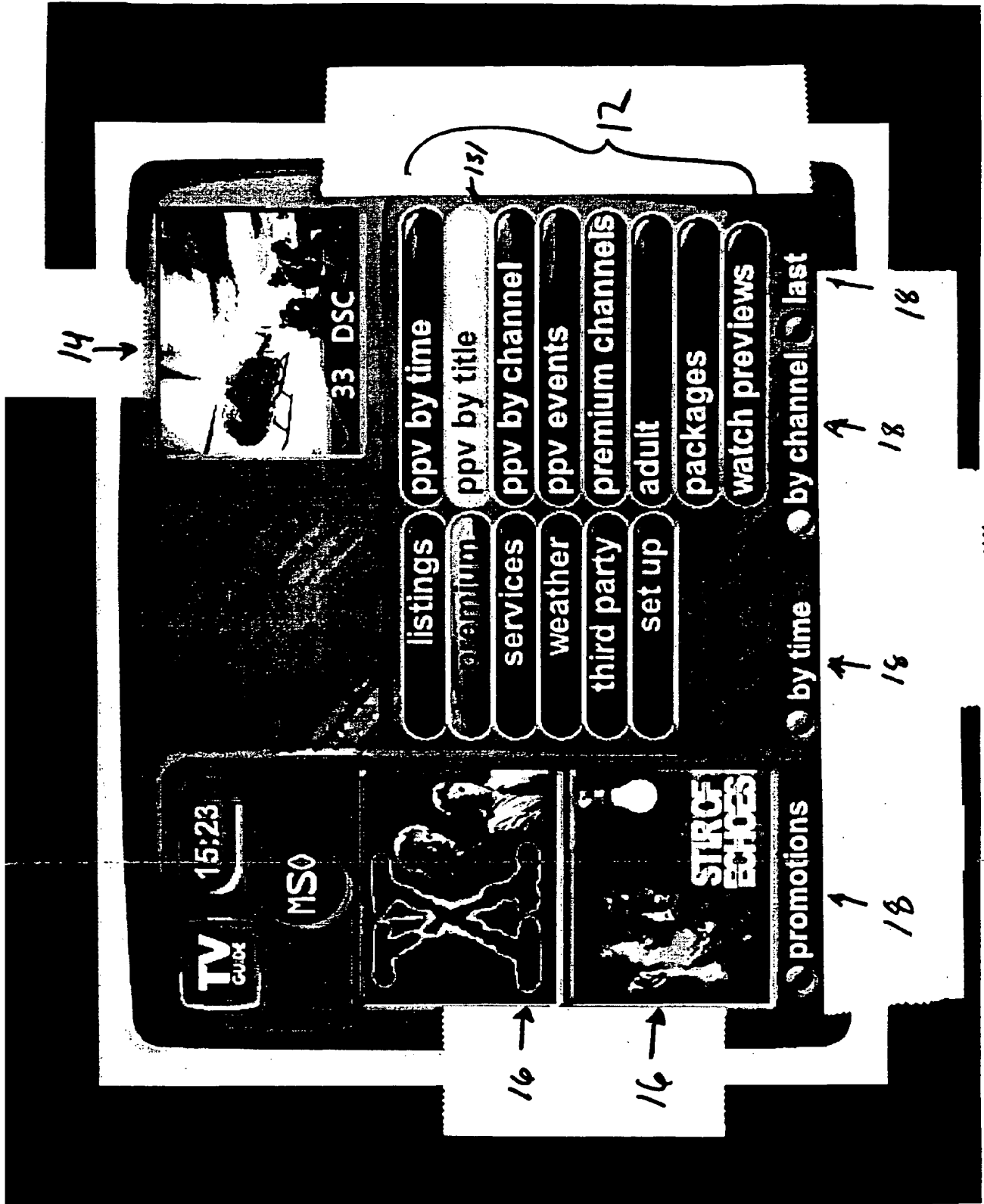


FIG. 148

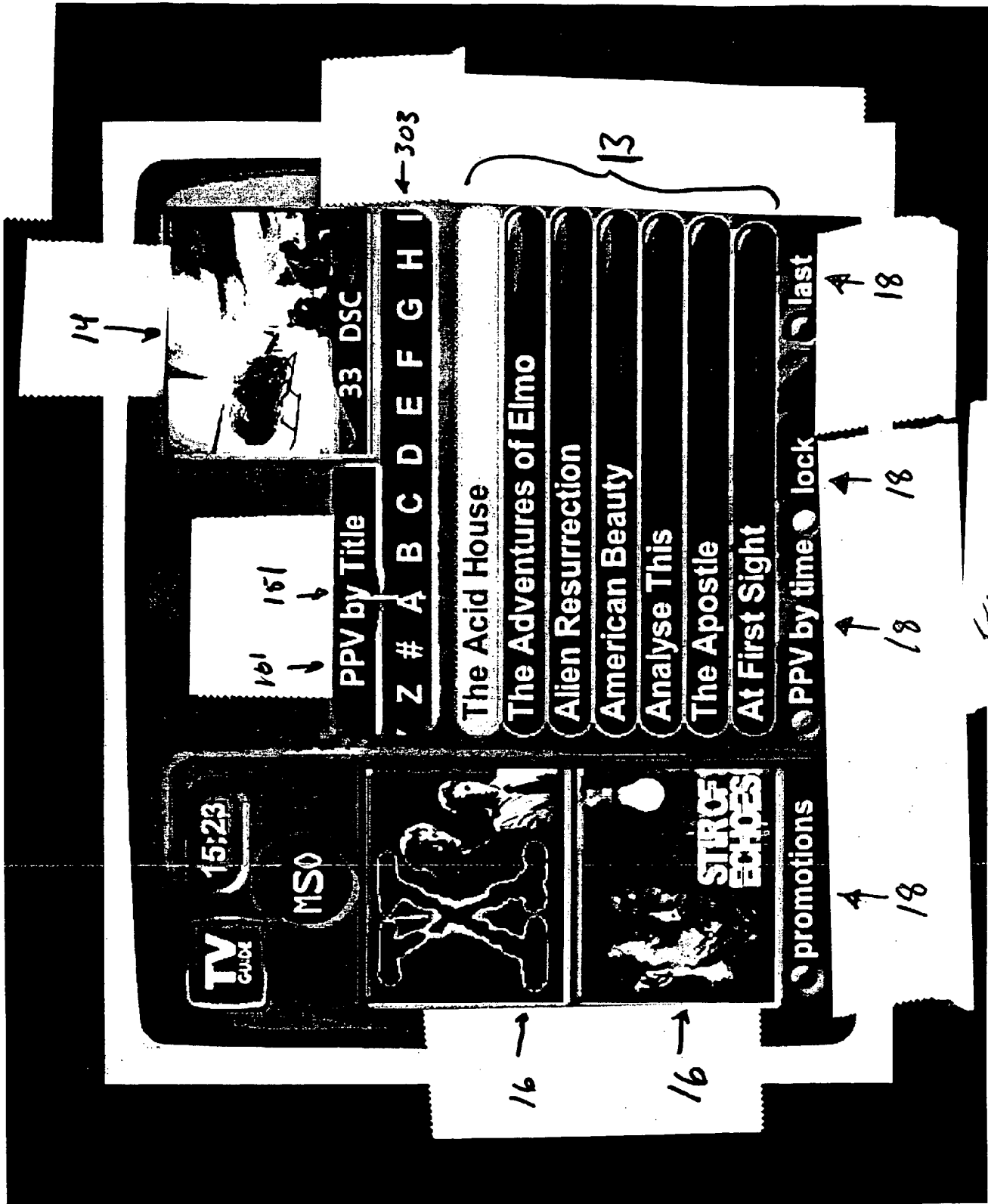


FIG. 149

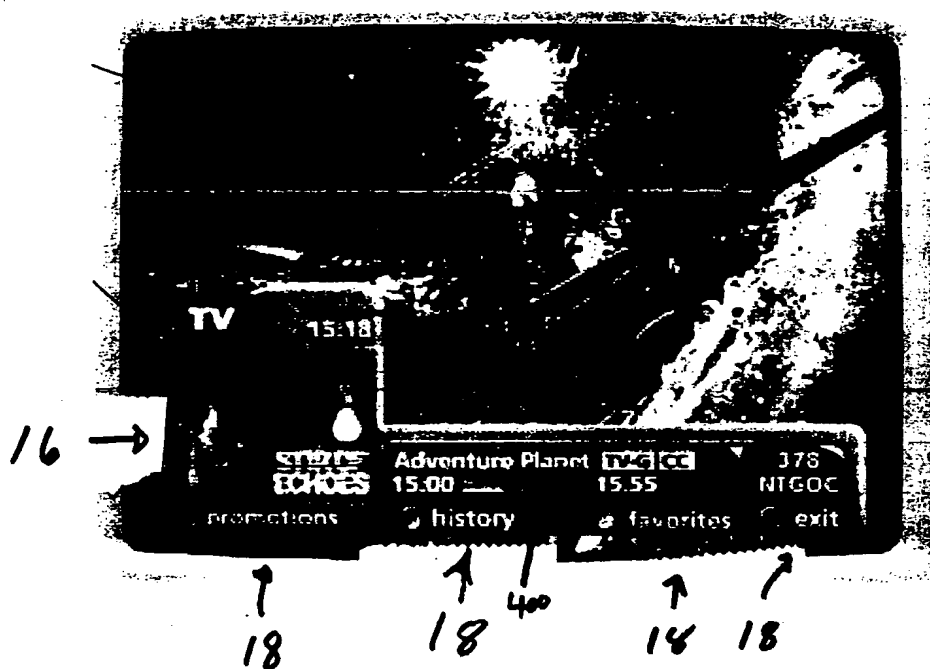


FIG. 150A

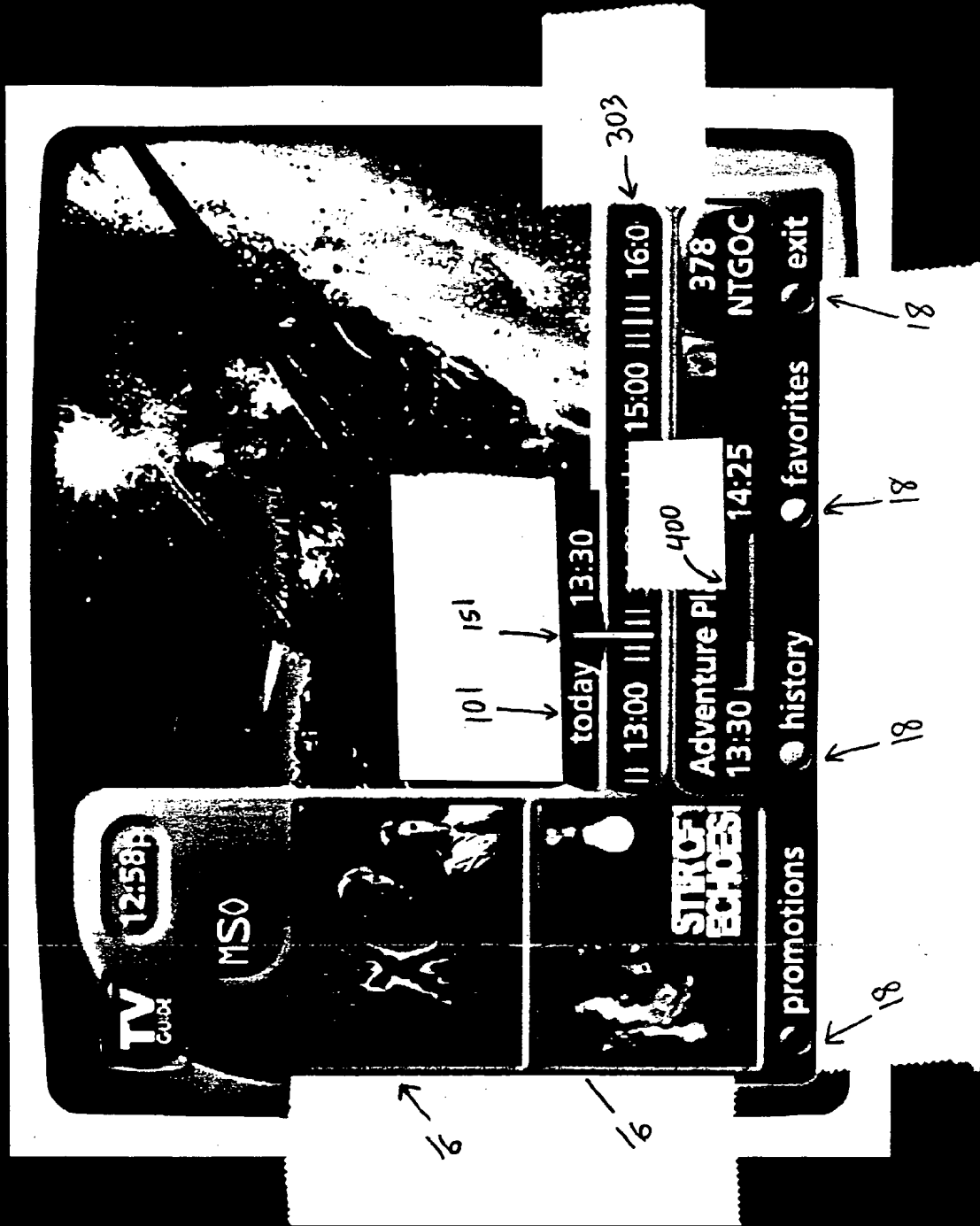


FIG. 150B



FIG. 151

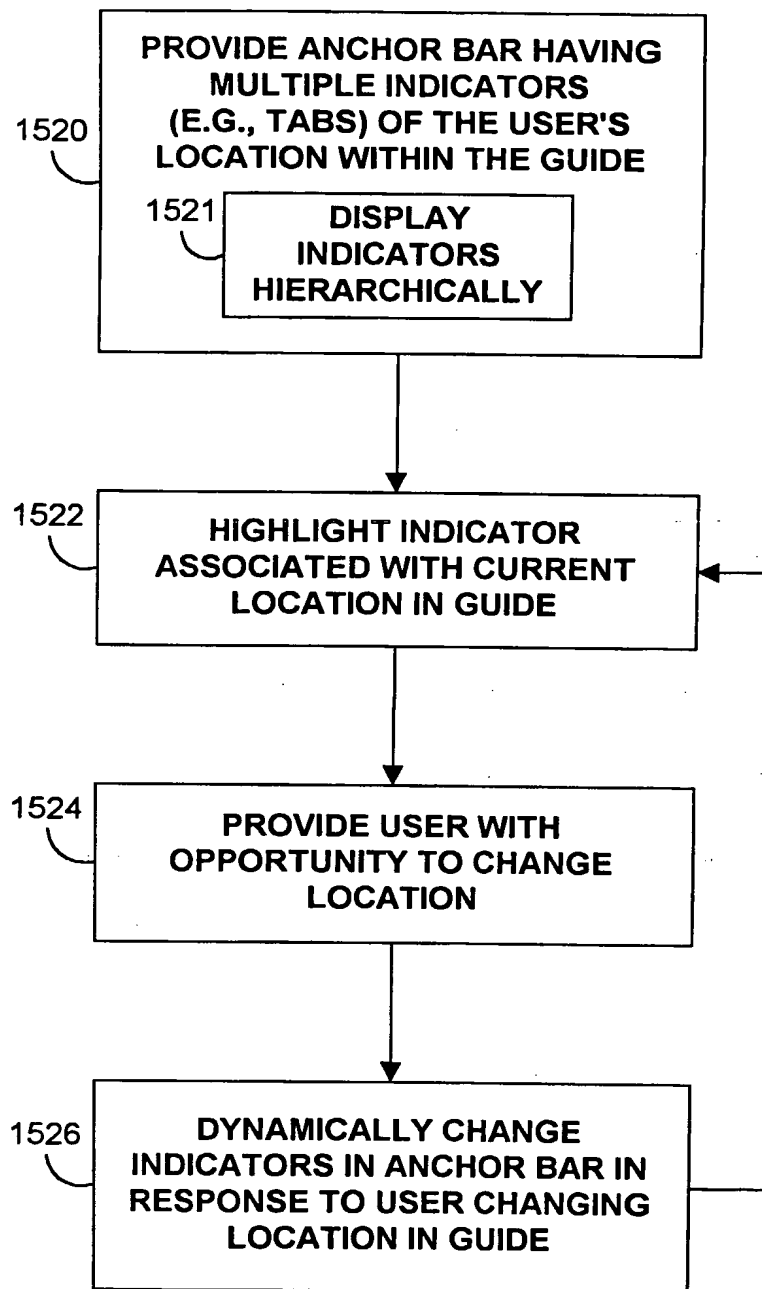


FIG. 152

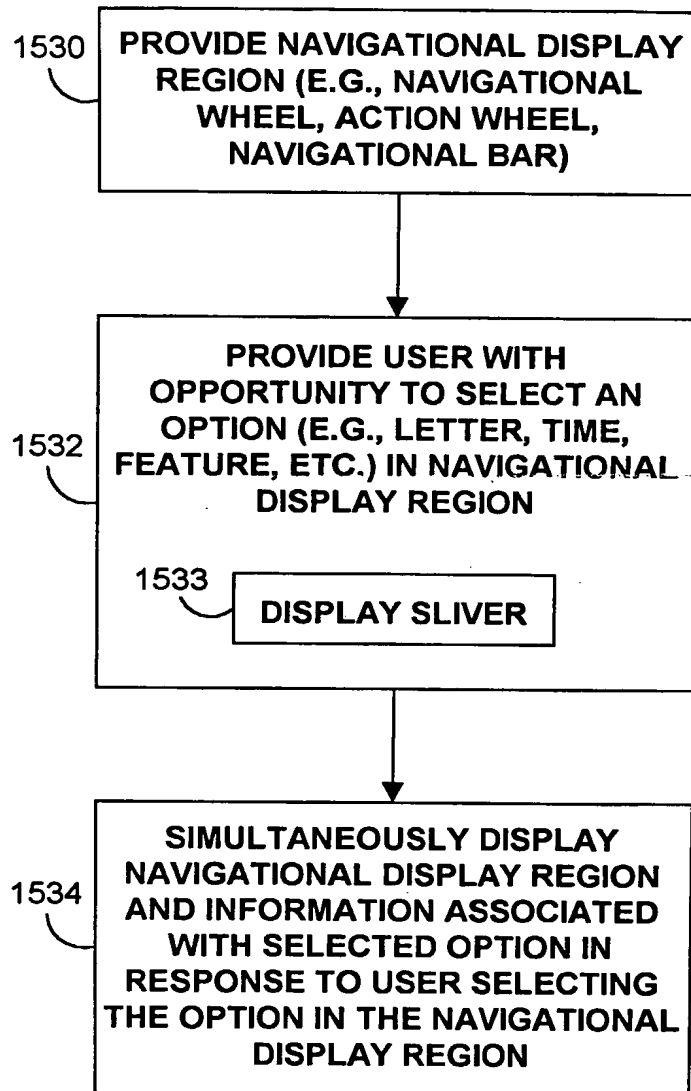


FIG. 153

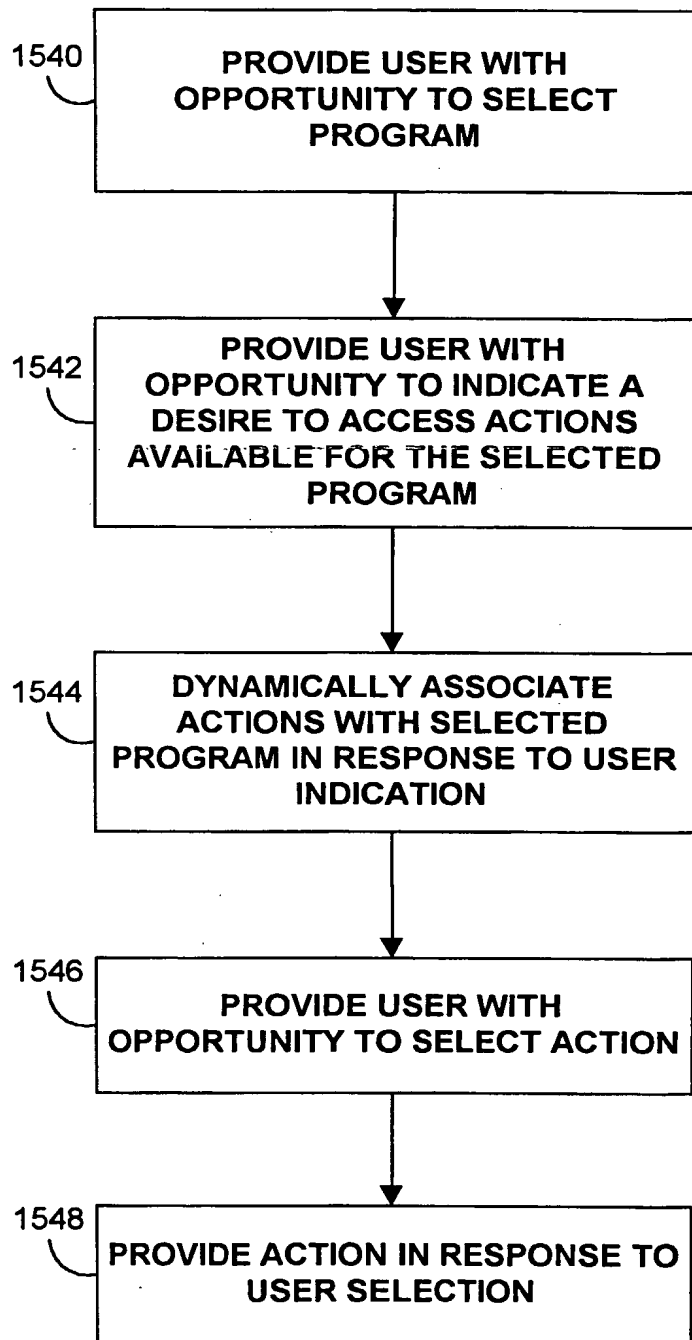


FIG. 154

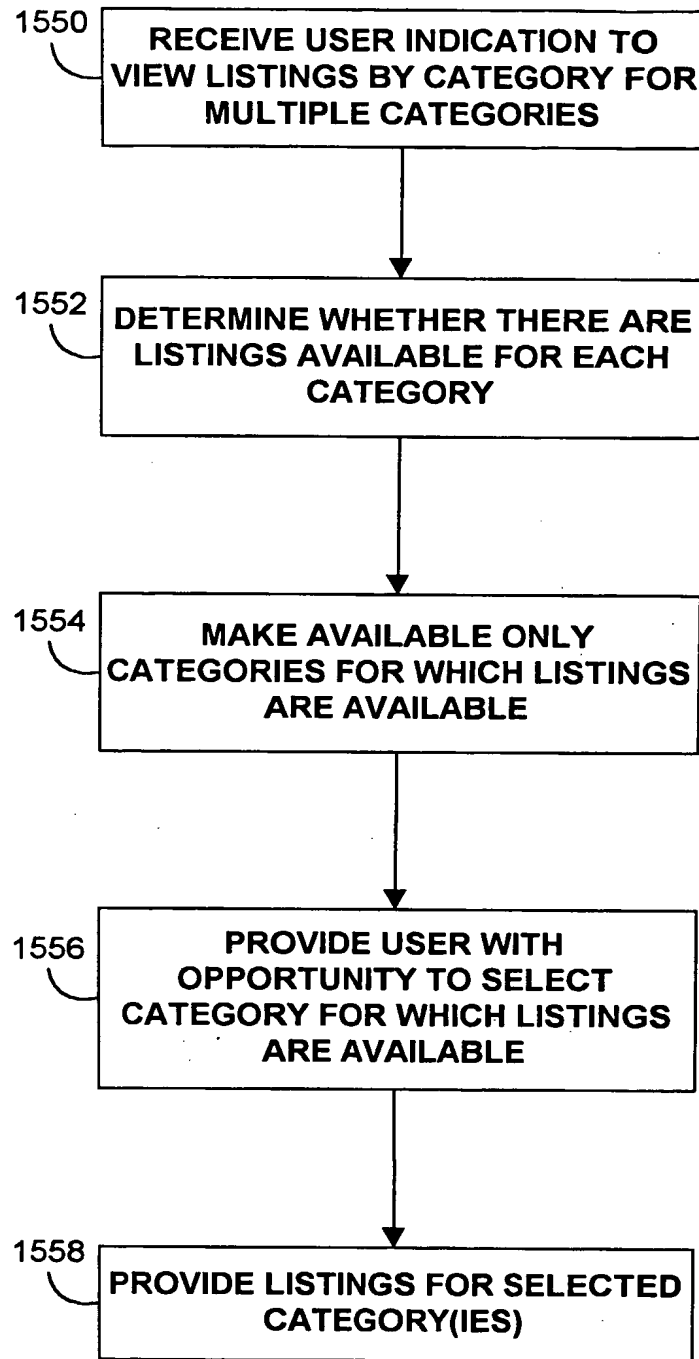


FIG. 155

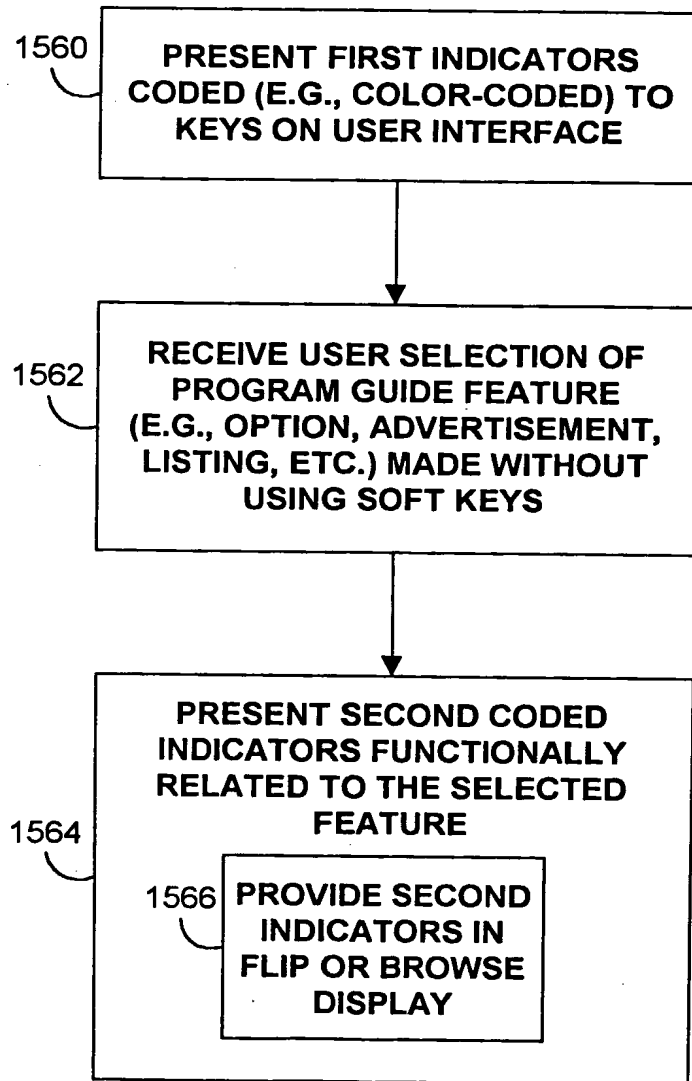


FIG. 156

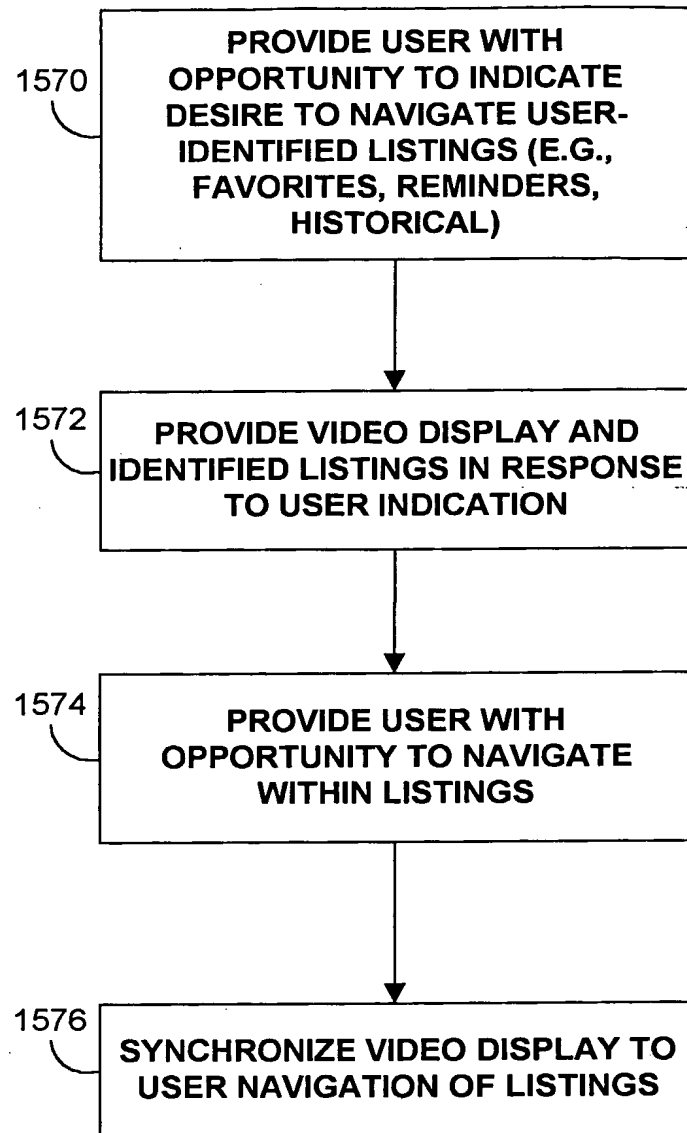


FIG. 157

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
29 March 2001 (29.03.2001)

PCT

(10) International Publication Number
WO 01/22719 A3

(51) International Patent Classification⁷: **H04N 5/445**

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60/170,386 13 December 1999 (13.12.1999) US
60/202,302 5 May 2000 (05.05.2000) US

(71) Applicant: **UNITED VIDEO PROPERTIES, INC.**
[US/US]; 7140 South Lewis Avenue, Tulsa, OK 74136 (US).

(72) Inventors: **MOORE, S., Sean**; 2624 East 14th Street, Tulsa, OK 74104 (US). **VOGH, Jennifer, Ann**; 233 East

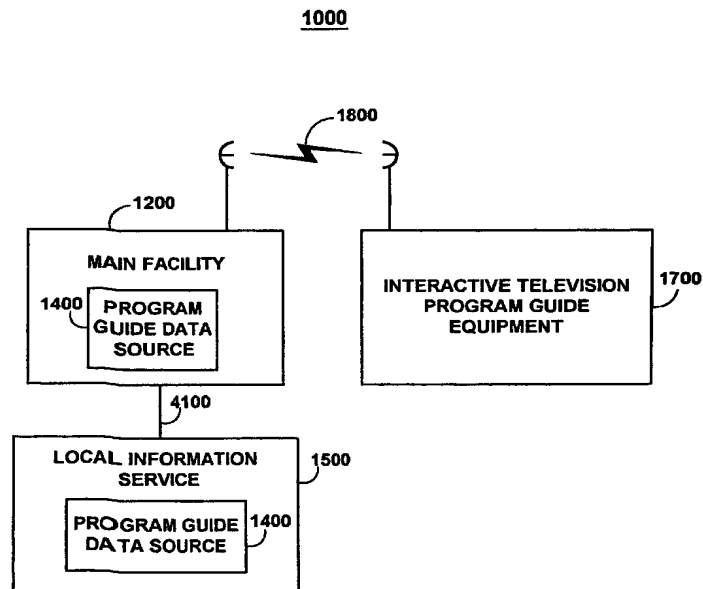
33rd Place, Tulsa, OK 74105 (US). **ALLISON, Donald, W.**; 3411 South 132nd East Avenue, Tulsa, OK 74134 (US). **DRUMMOND, Bryan, Mitchell**; 7209 S. 228 E. Avenue, Broken Arrow, OK 74014 (US). **MCCOY, Robert, H.**; 25262 E. Rosewood, Broken Arrow, OK 74014 (US). **HENSON, Vaughn, Rex**; 8739 South Delaware Place, Tulsa, OK 74137-2250 (US). **PHILLIPS, Rick**; 527 San Vicente Boulevard, #203, Santa Monica, CA 90402 (US). **THOMAS, William, L.**; 11611 South 70th East Avenue, Bixby, OK 74008 (US). **HERRINGTON, W., Benjamin**; 725 West 20th Street, Tulsa, OK 74107 (US).

(74) Agents: **PIERRI, Margaret, A.** et al.; Fish & Neave, 1251 Avenue of the Americas, New York, NY 10020 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.

[Continued on next page]

(54) Title: INTERACTIVE TELEVISION PROGRAM GUIDE WITH ENHANCED USER INTERFACE



(57) Abstract: An enhanced program guide interface is provided. The interface may use colors and other display characteristics, and may provide navigational interface elements, and other displays, to enhance the user's guidance experience. The system may include advertisements that are tied to the subject matter of program guide features, options or functions. Display elements may be componentized.



WO 01/22719 A3



(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report:
4 October 2001

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— with international search report

INTERNATIONAL SEARCH REPORT

Internz Application No

PCT/US 00/26066

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04N5/445

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
------------	--	-----------------------

A	EP 0 798 921 A (MATSUSHITA ELECTRIC IND CO LTD) 1 October 1997 (1997-10-01) page 4, line 9 -page 5, line 54 page 7, line 41 - line 52; figures 1,2 --- -/--	1-8,11, 13,15, 18,22, 25,29, 32-37, 39,41, 43,44, 46,50, 53, 57-63, 67,69, 71,72, 74,78,81
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

° Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

20 December 2000

Date of mailing of the international search report

30.03.2001

Name and mailing address of the ISA

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NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

FUCHS, P

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/26066

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 738 078 A (TOKYO SHIBAURA ELECTRIC CO) 16 October 1996 (1996-10-16) abstract column 30, line 19 -column 32, line 59; figures 51-54 ---	1,4,7, 11,13, 15,18, 22,25, 29,32, 35,39, 41,43, 46,50, 53,57, 60,63, 67,69, 71,74, 78,81
A	EP 0 682 452 A (MICROSOFT CORP) 15 November 1995 (1995-11-15) abstract column 14, line 55 -column 15, line 11; figures 2,6 ---	1,4,7, 11,13, 15,18, 22,25, 29,32, 35,39, 41,43, 46,50, 53,57, 60,63, 67,69, 71,74, 78,81
A	US 5 434 626 A (HAYASHI TOSHIHIDE ET AL) 18 July 1995 (1995-07-18) abstract column 1, line 65 -column 2, line 4 --- -/--	1,4,7, 11,13, 15,18, 22,25, 29,32, 35,39, 41,43, 46,50, 53,57, 60,63, 67,69, 71,74, 78,81

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/26066

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 677 708 A (MATTHEWS III JOSEPH H ET AL) 14 October 1997 (1997-10-14) abstract column 6, line 60 -column 7, line 12 column 13, line 38 -column 15, line 52; figures 5-8	11,39,67
A	--- PATENT ABSTRACTS OF JAPAN vol. 008, no. 131 (E-251), 19 June 1984 (1984-06-19) & JP 59 041972 A (MATSUSHITA DENKI SANGYO KK), 8 March 1984 (1984-03-08) abstract ---	1-8,11, 13,15, 18,22, 25,29, 32-37, 39,41, 43,44, 46,50, 53, 57-63, 67,69, 71,72, 74,78,81
A	--- WO 92 04801 A (INSIGHT TELECAST INC) 19 March 1992 (1992-03-19) abstract page 10, line 6 -page 14, line 5; figures 2-6 -----	1,4,7, 11,13, 15,18, 22,29, 32,35, 39,41, 43,46, 50,53, 57,60, 63,67, 69,71, 74,78,81

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 00/26066

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
1-20, 22-48, 50-76, 78-84

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-20,22-48,50-76,78-84

Method or system for highlighting display elements of an interactive television program guide.

2. Claims: 21,49,77

Method or system for displaying of program listings by category.

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internal Application No

PCT/US 00/26066

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0798921 A	01-10-1997	JP 9270759 A	14-10-1997
		JP 9270967 A	14-10-1997
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		JP 5075945 A	26-03-1993
		JP 5075946 A	26-03-1993
		DE 69224419 D	19-03-1998
		DE 69224419 T	04-06-1998
		EP 0536901 A	14-04-1993
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